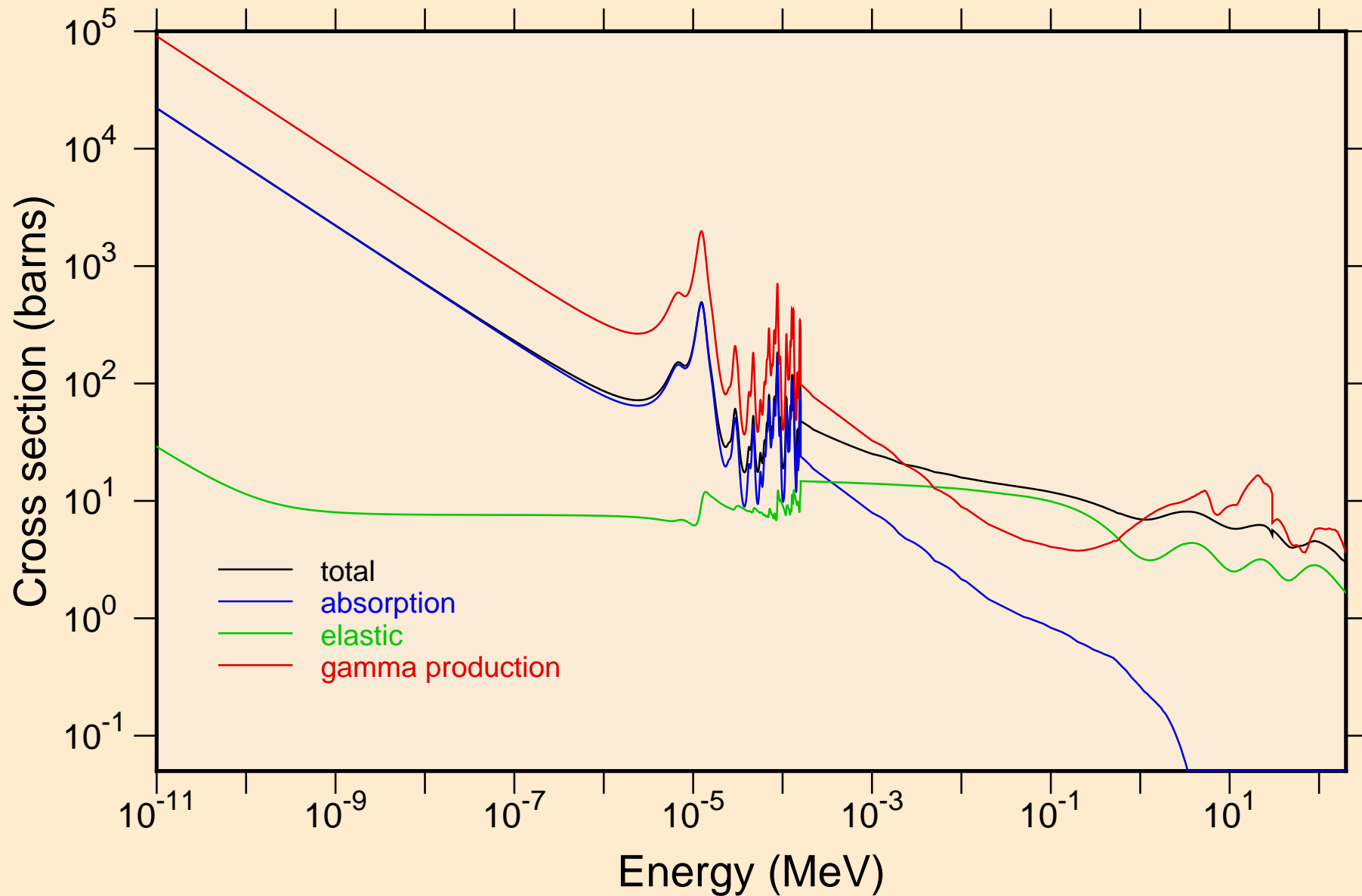
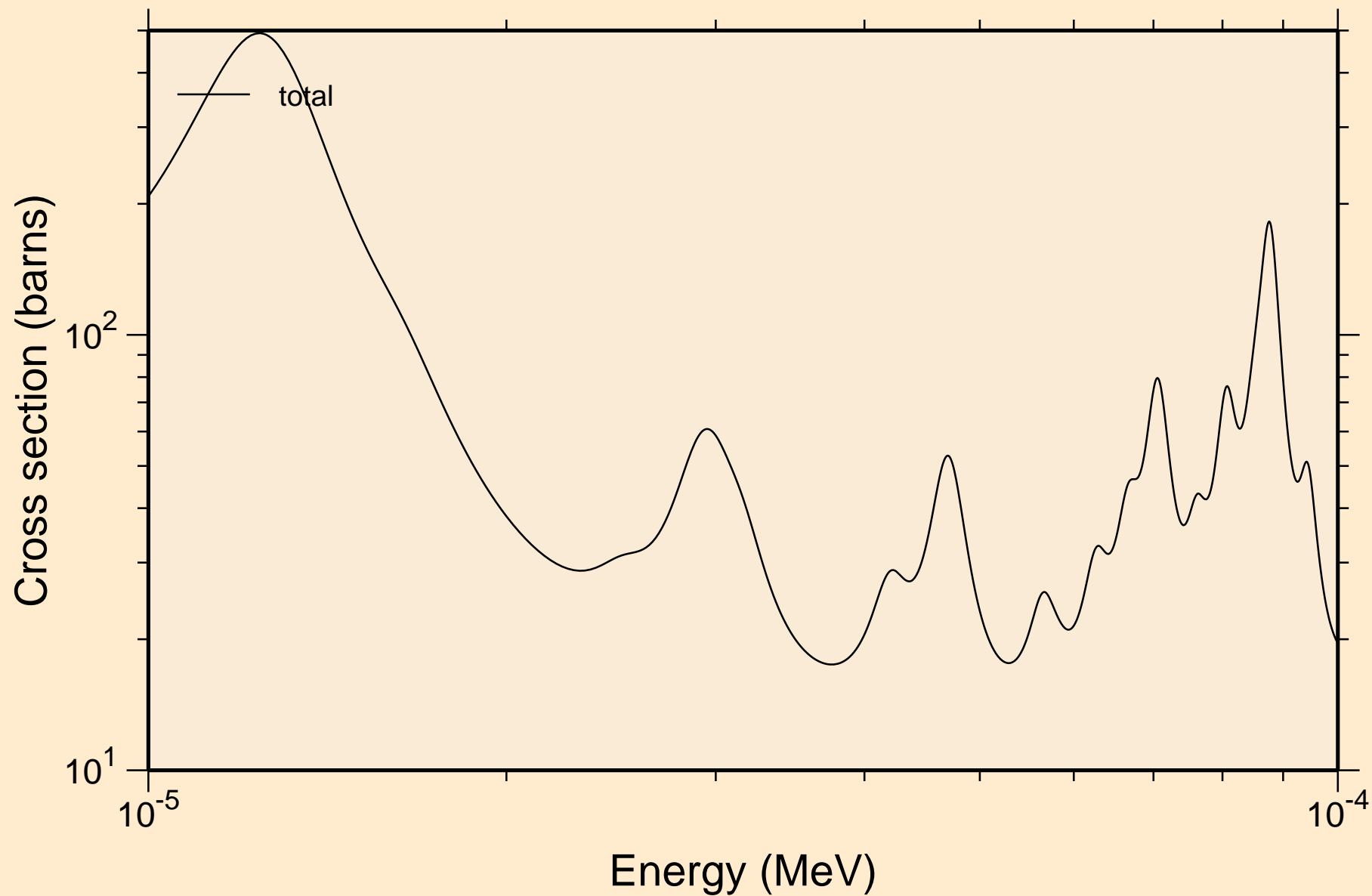


# U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

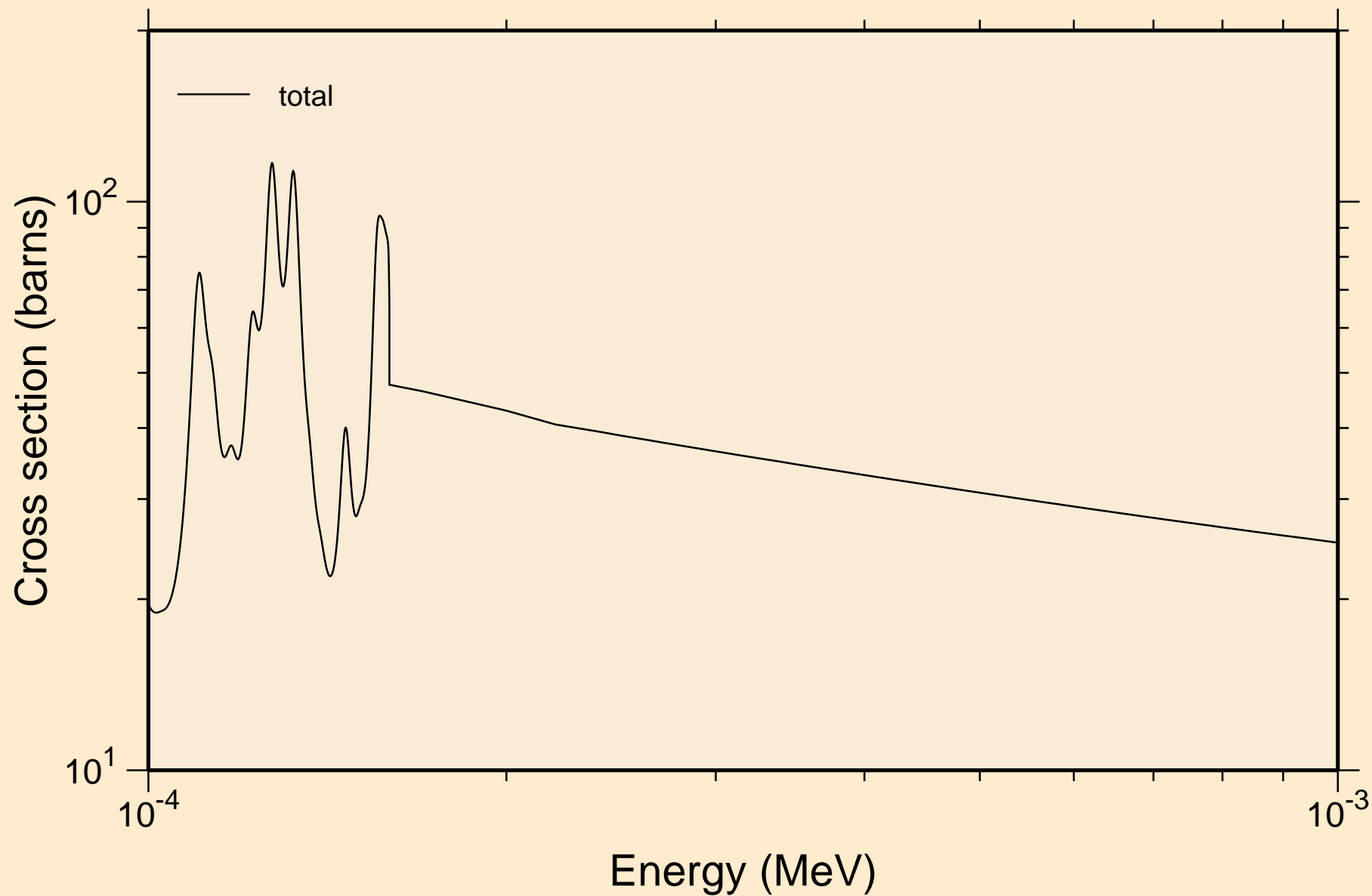
## Principal cross sections



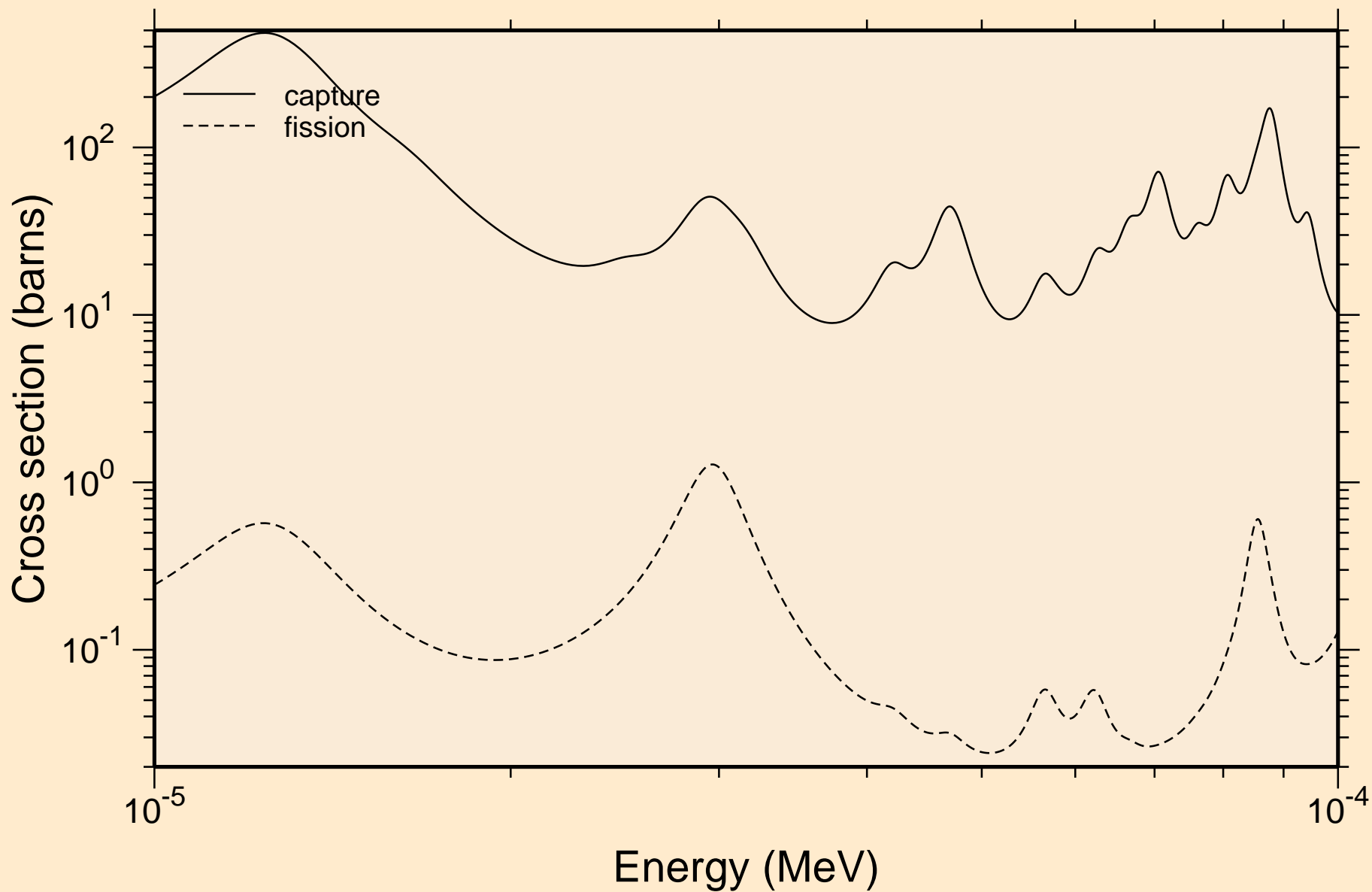
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



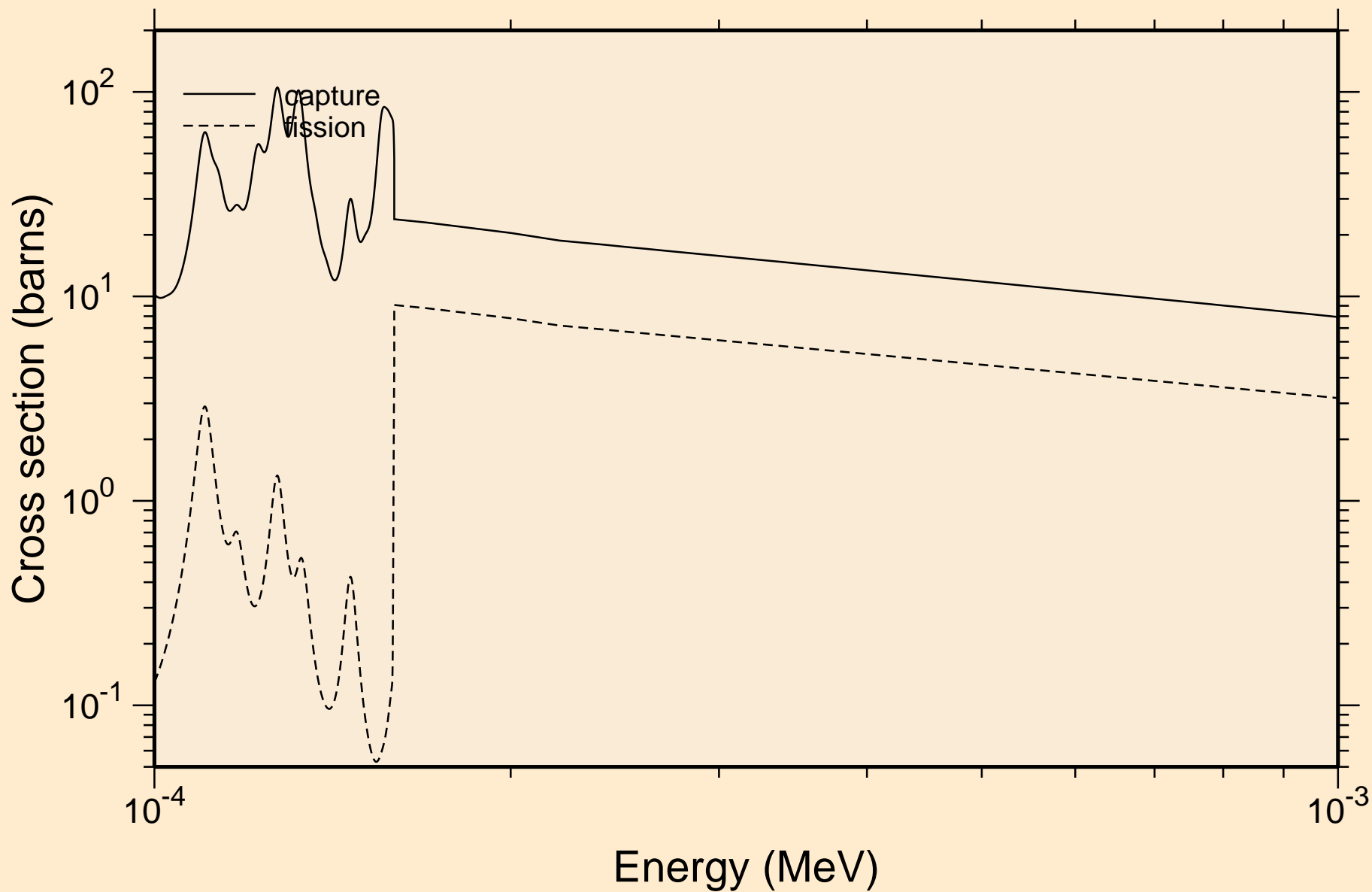
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



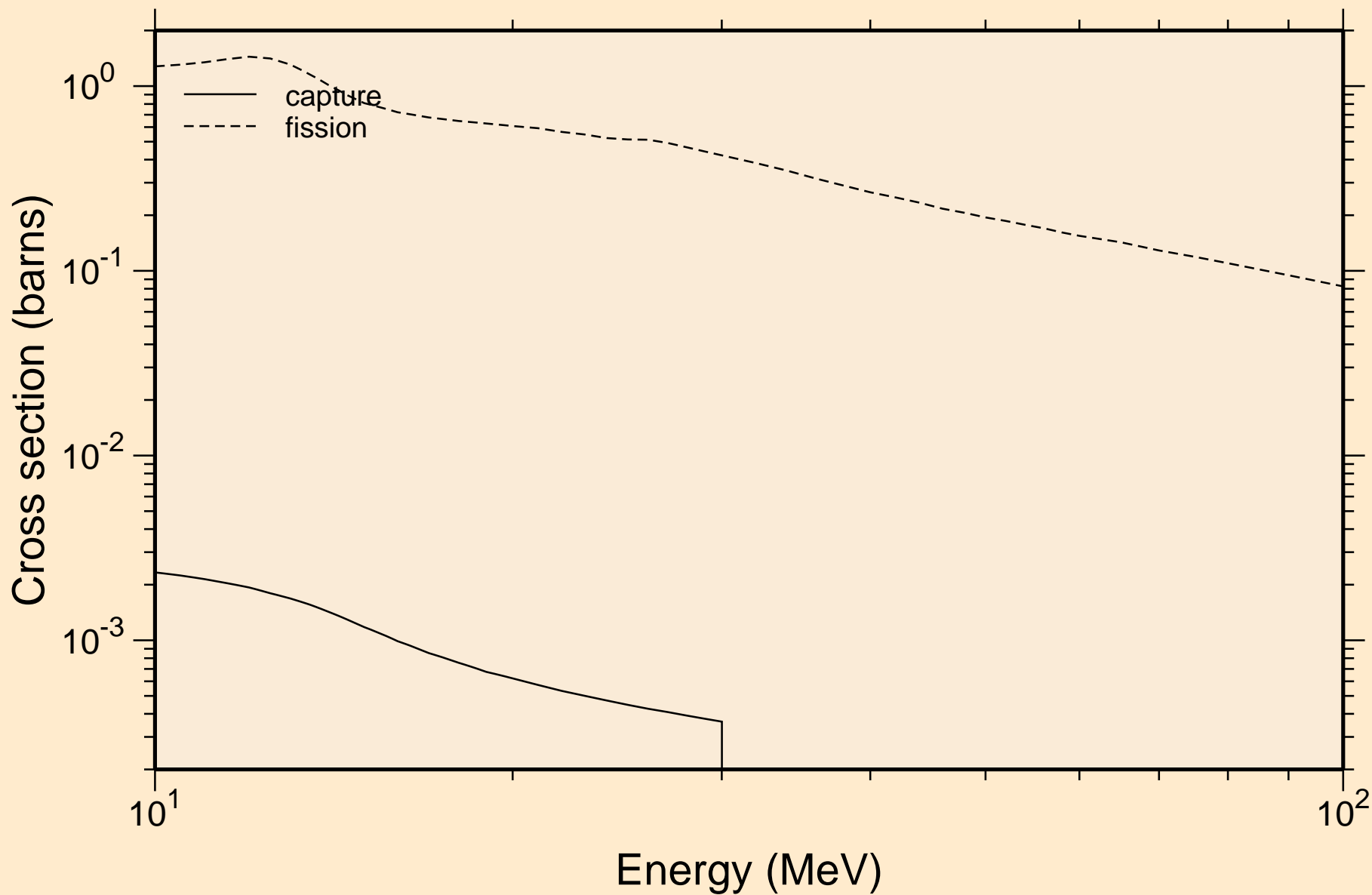
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



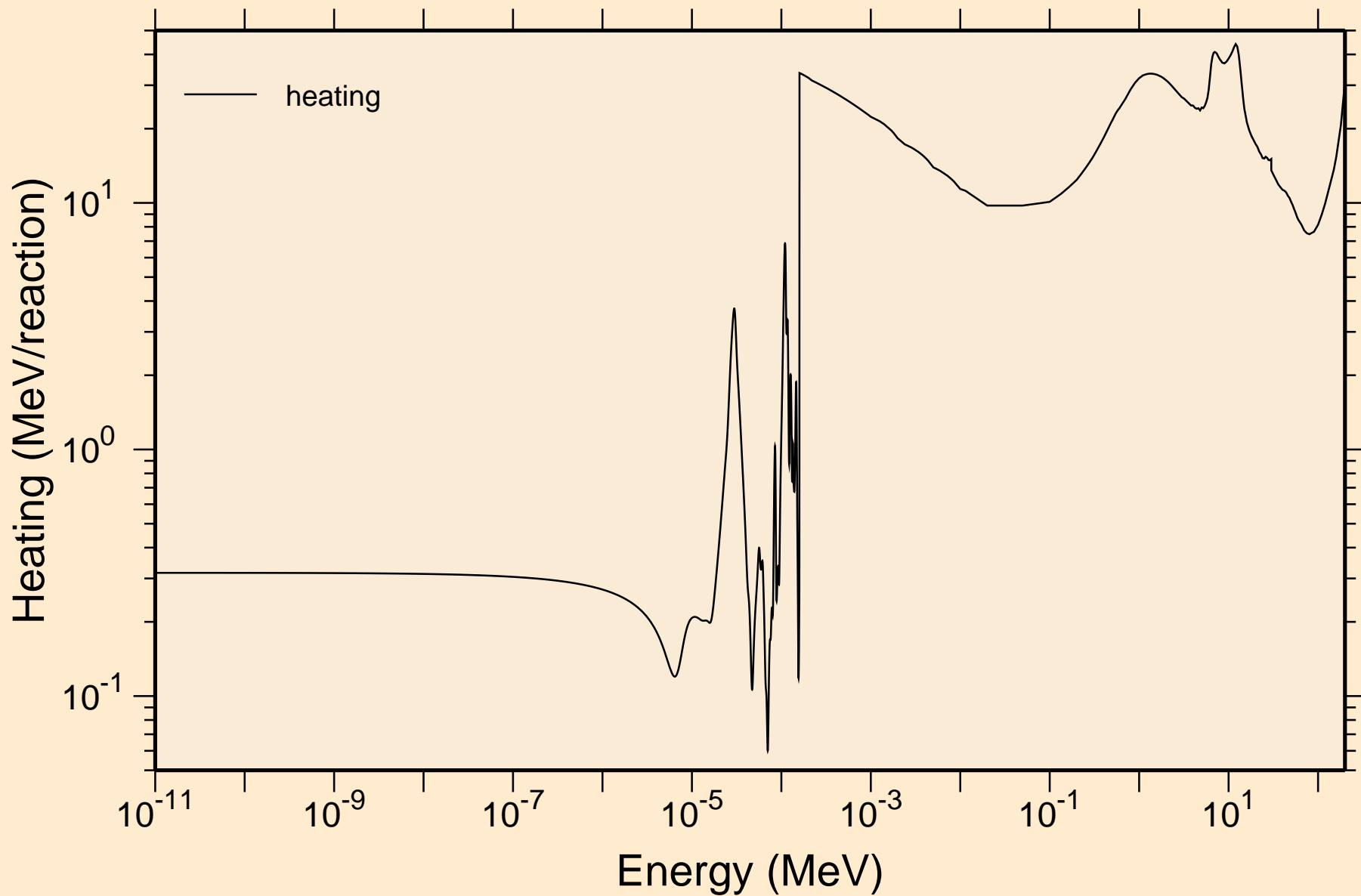
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



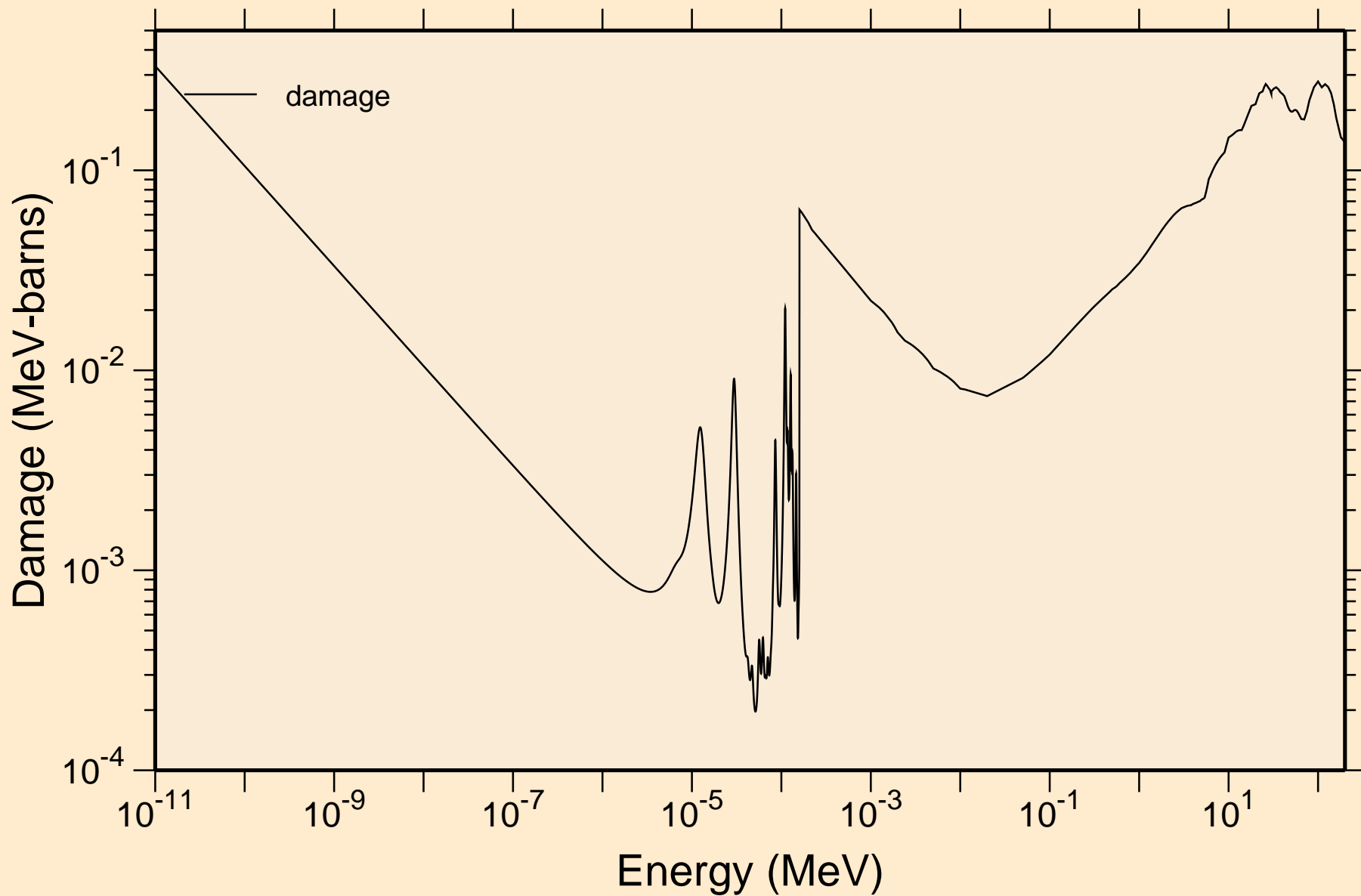
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



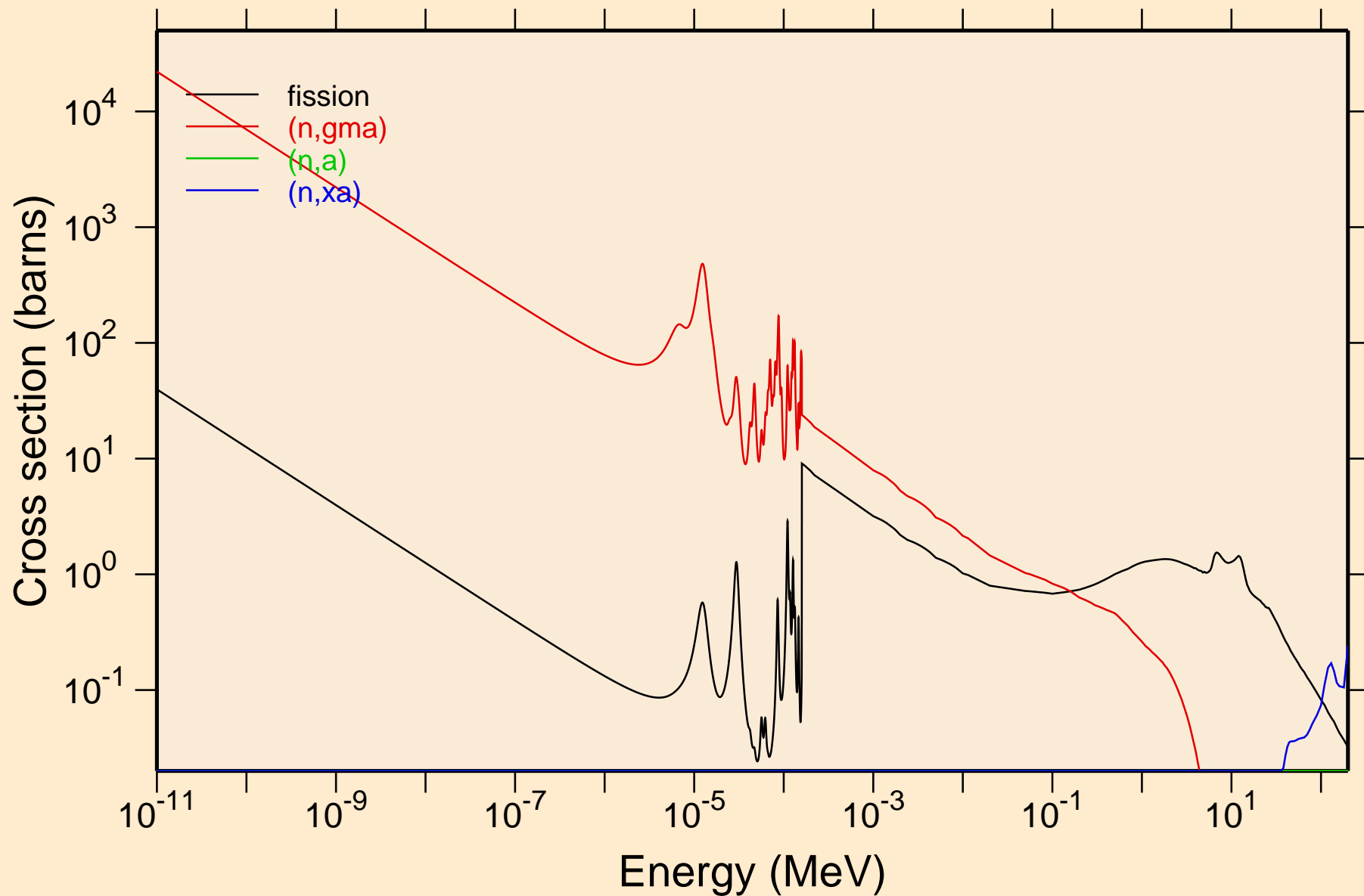
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage





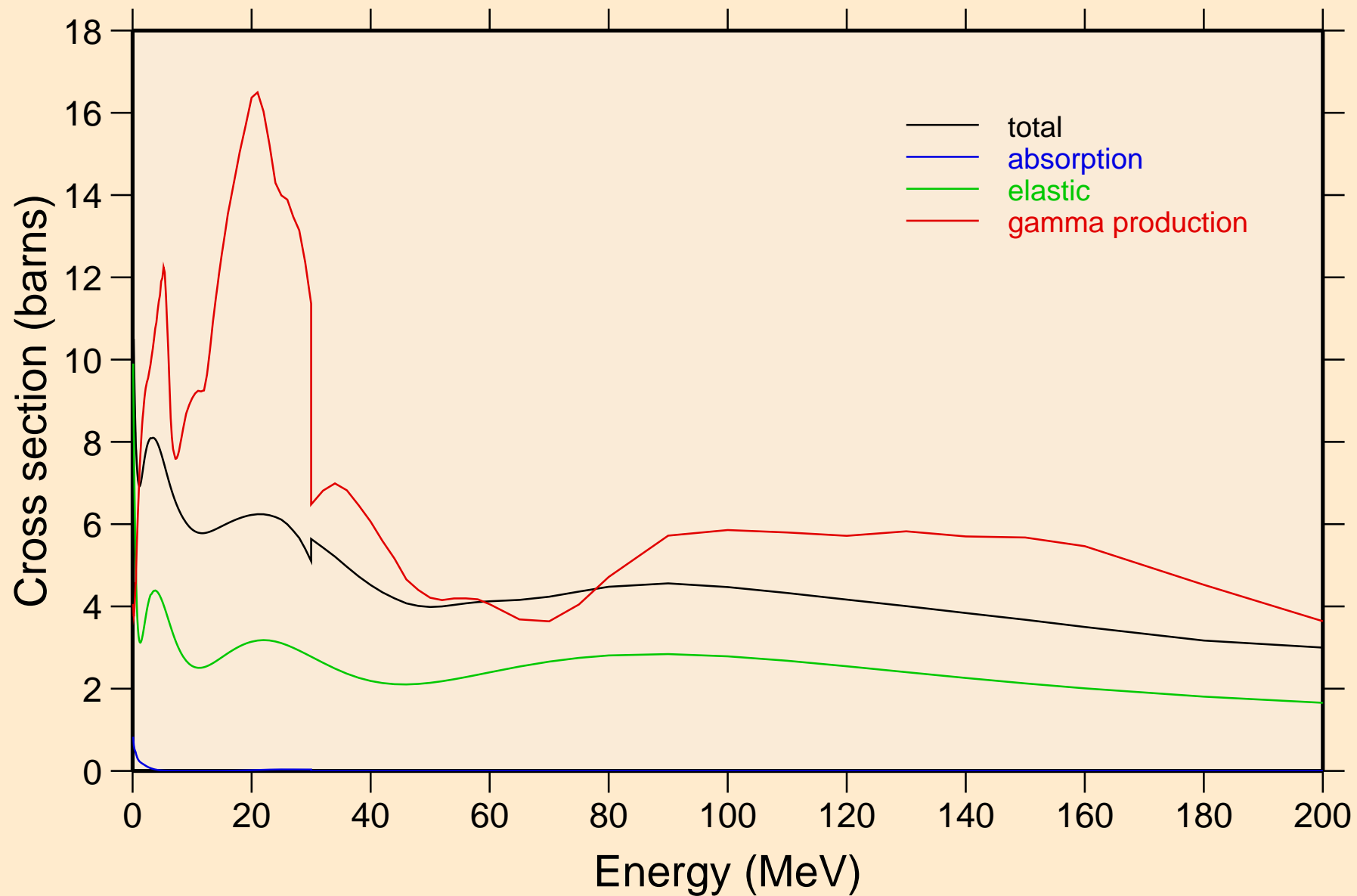
# U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Non-threshold reactions

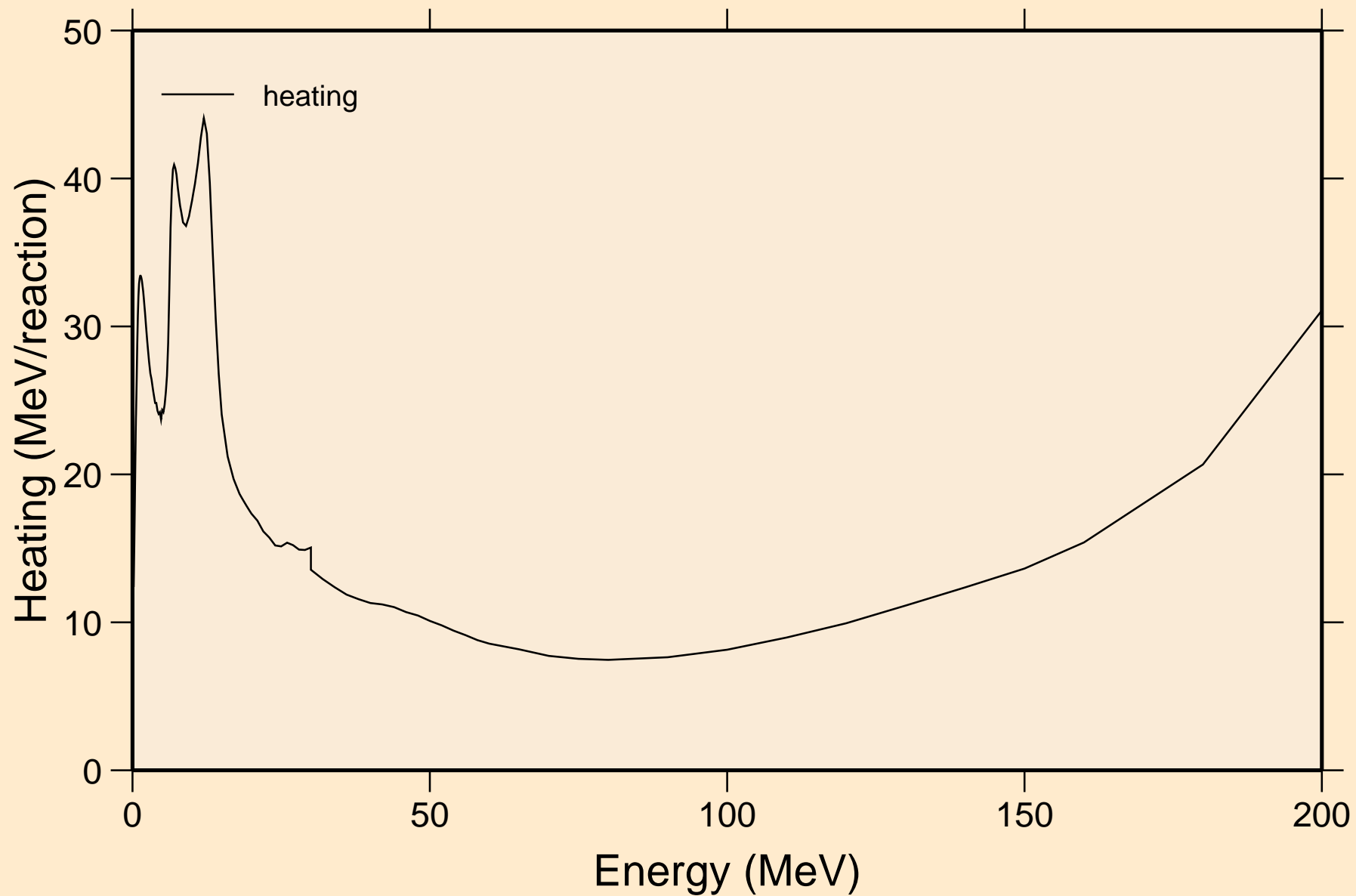


# U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

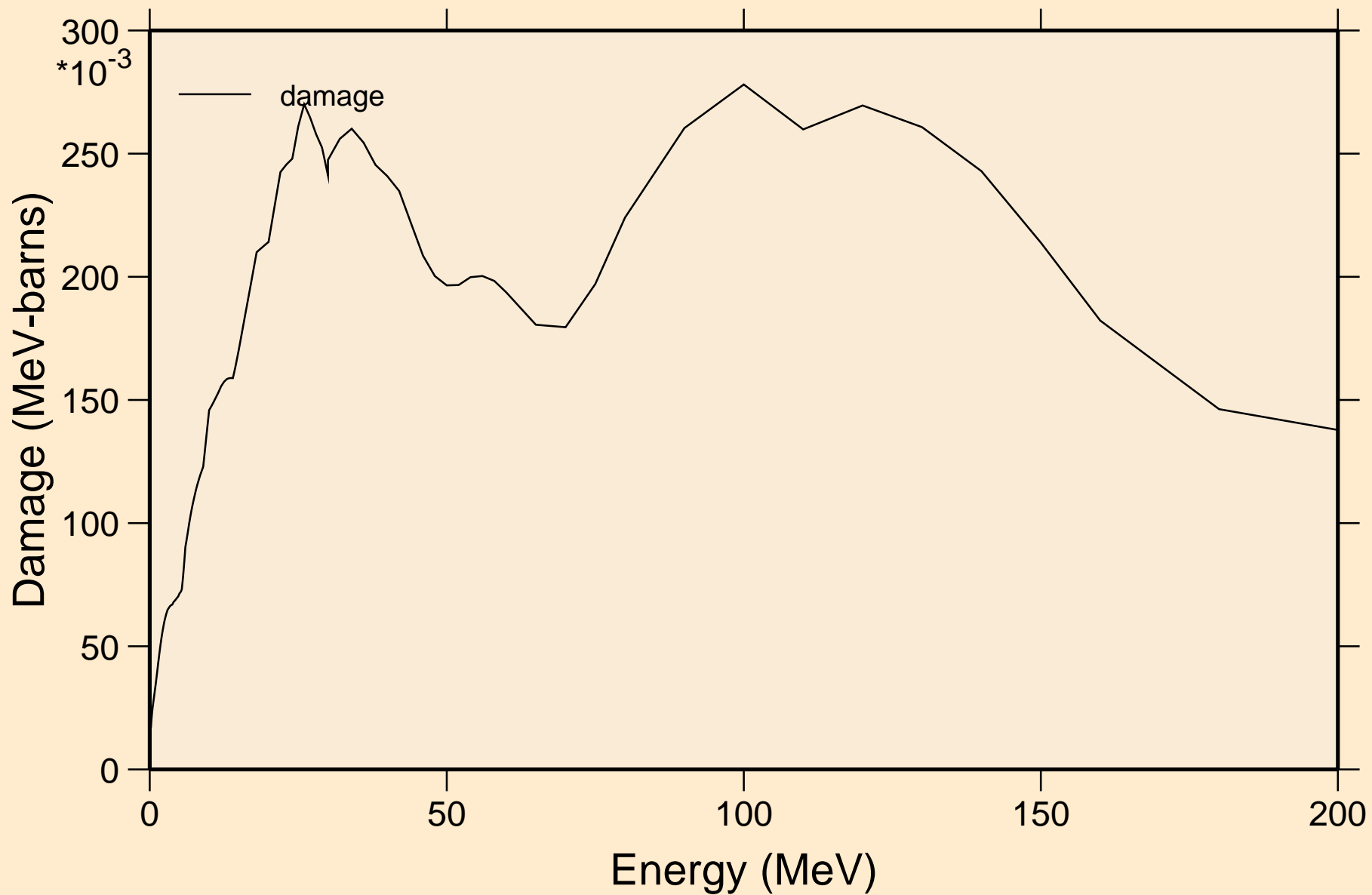
## Principal cross sections



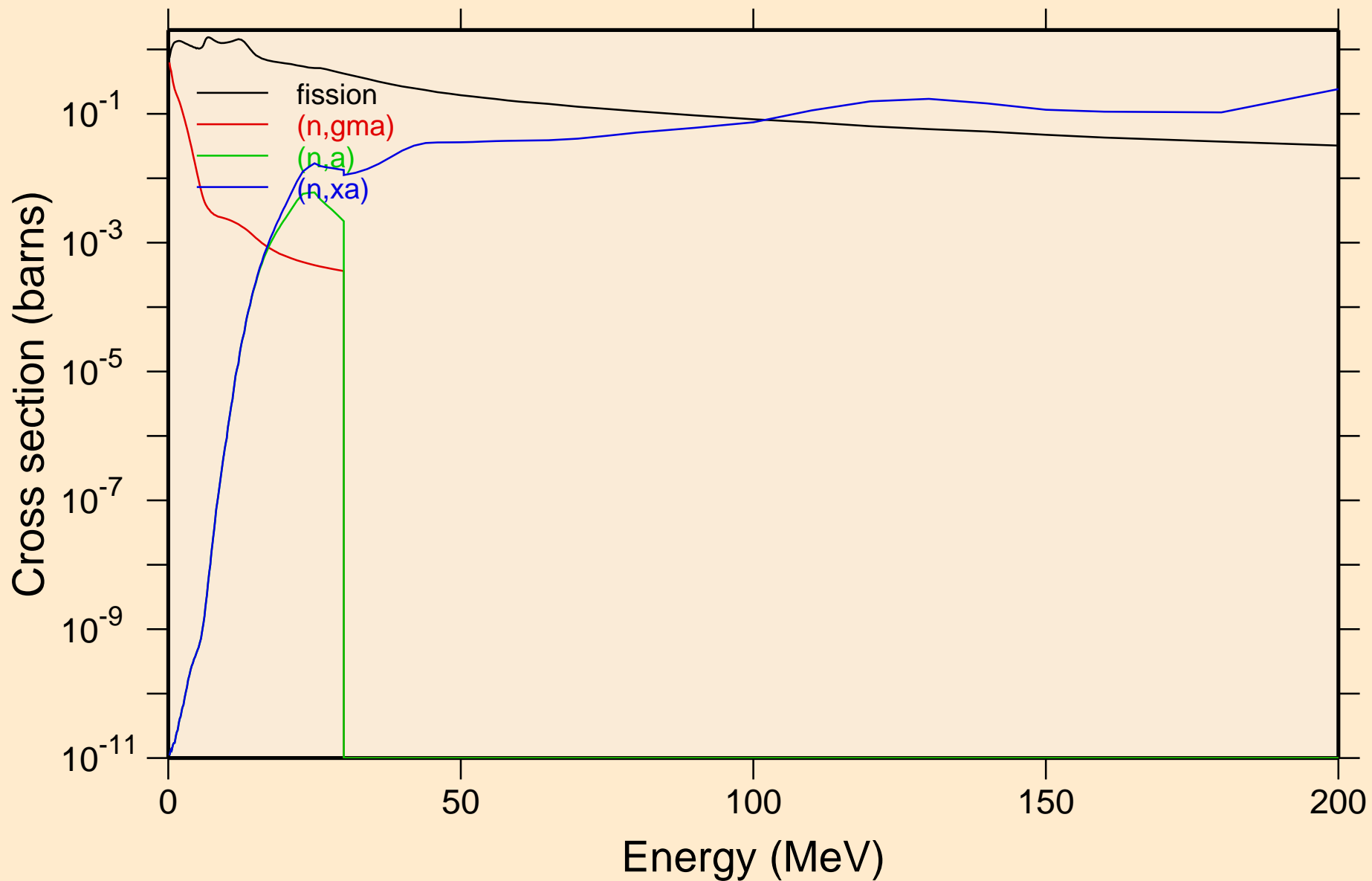
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



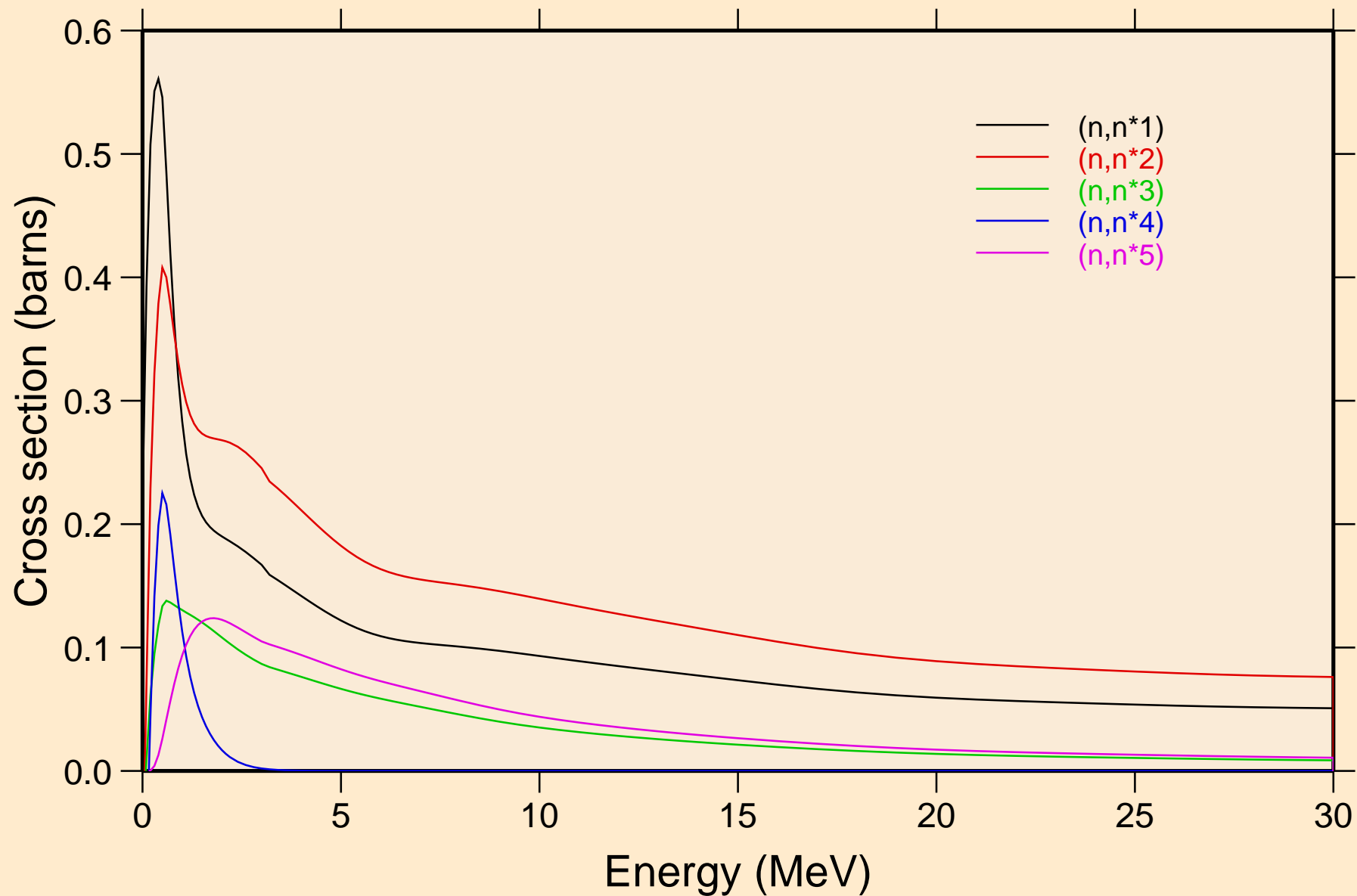
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage



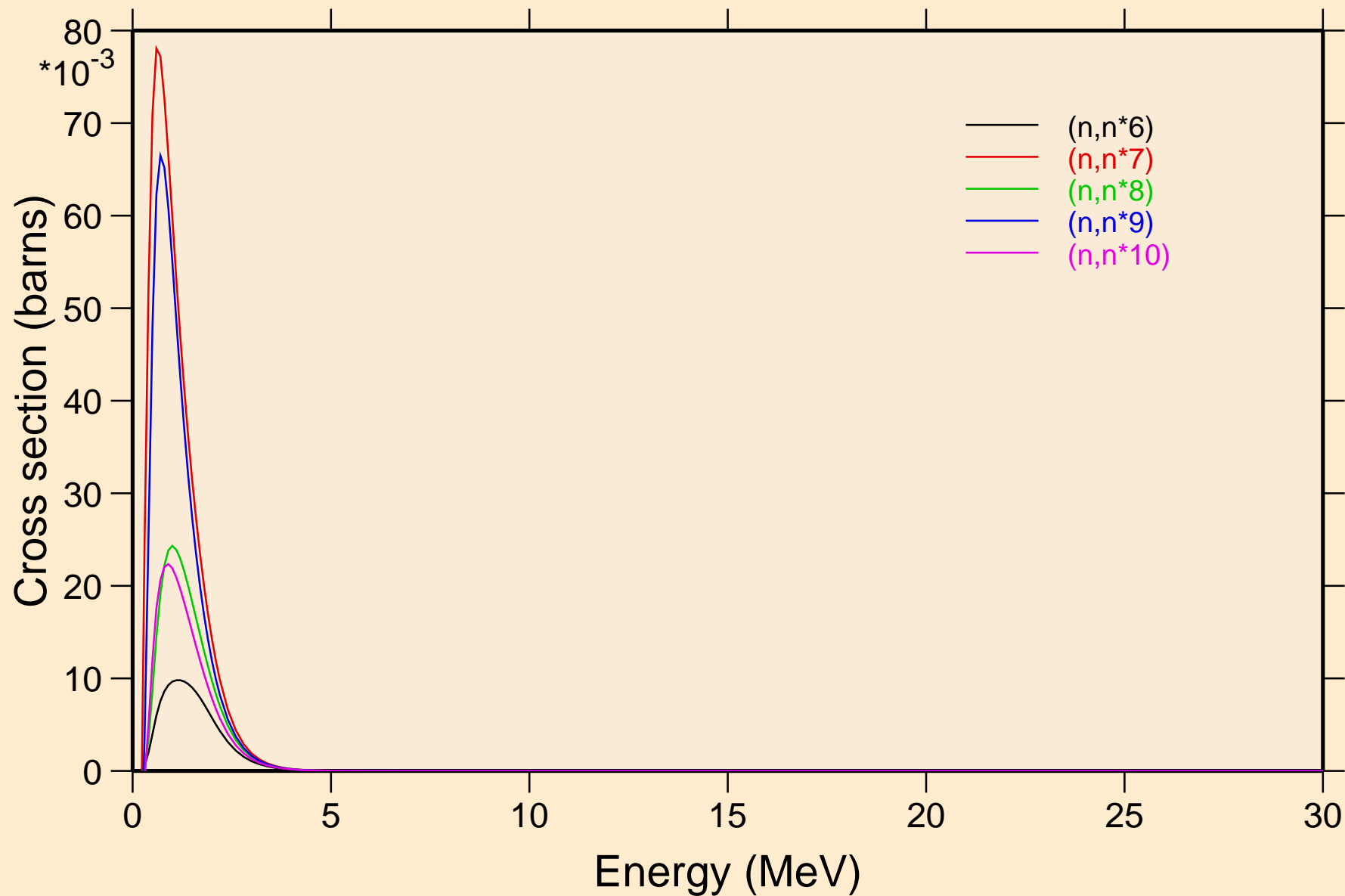
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



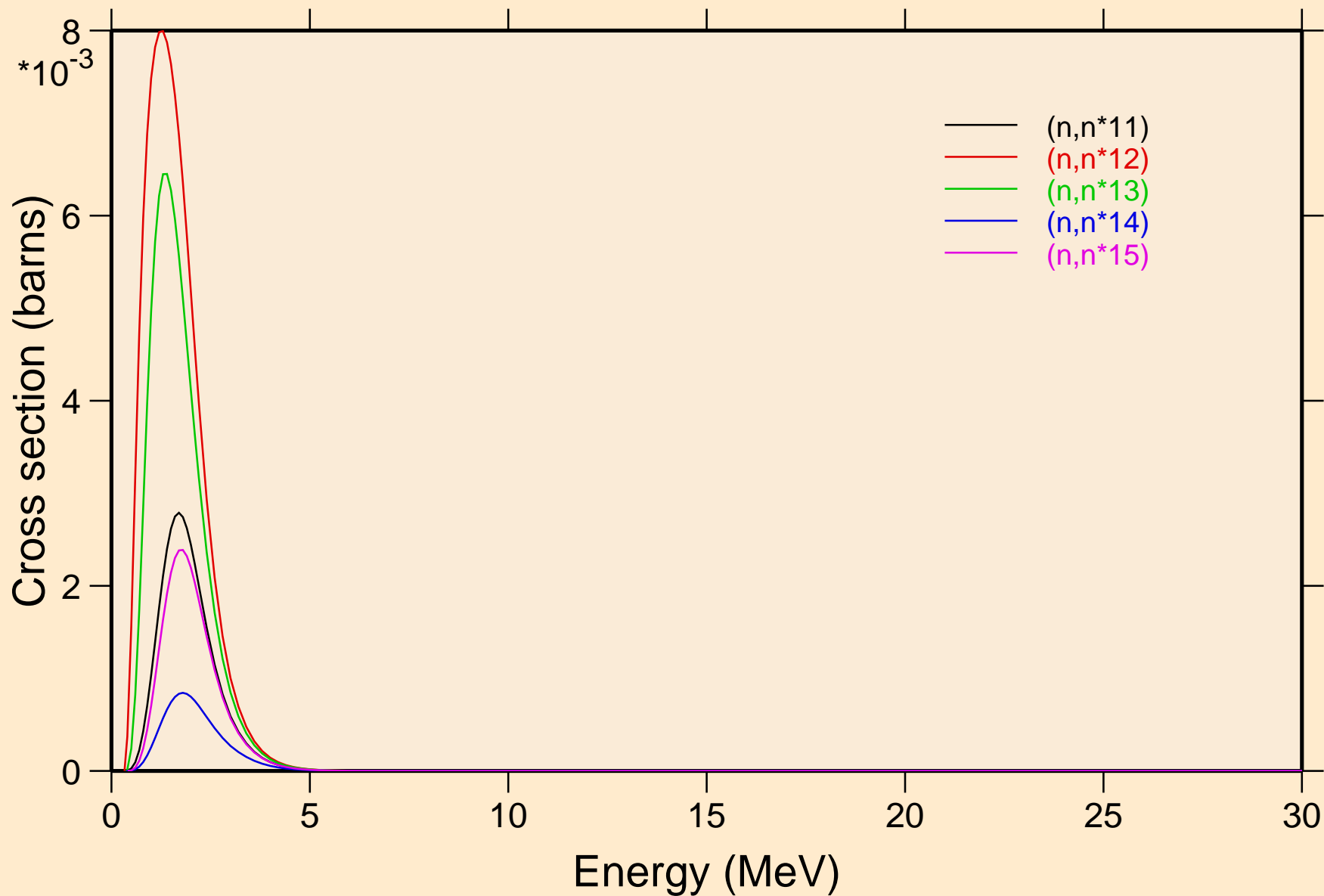
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

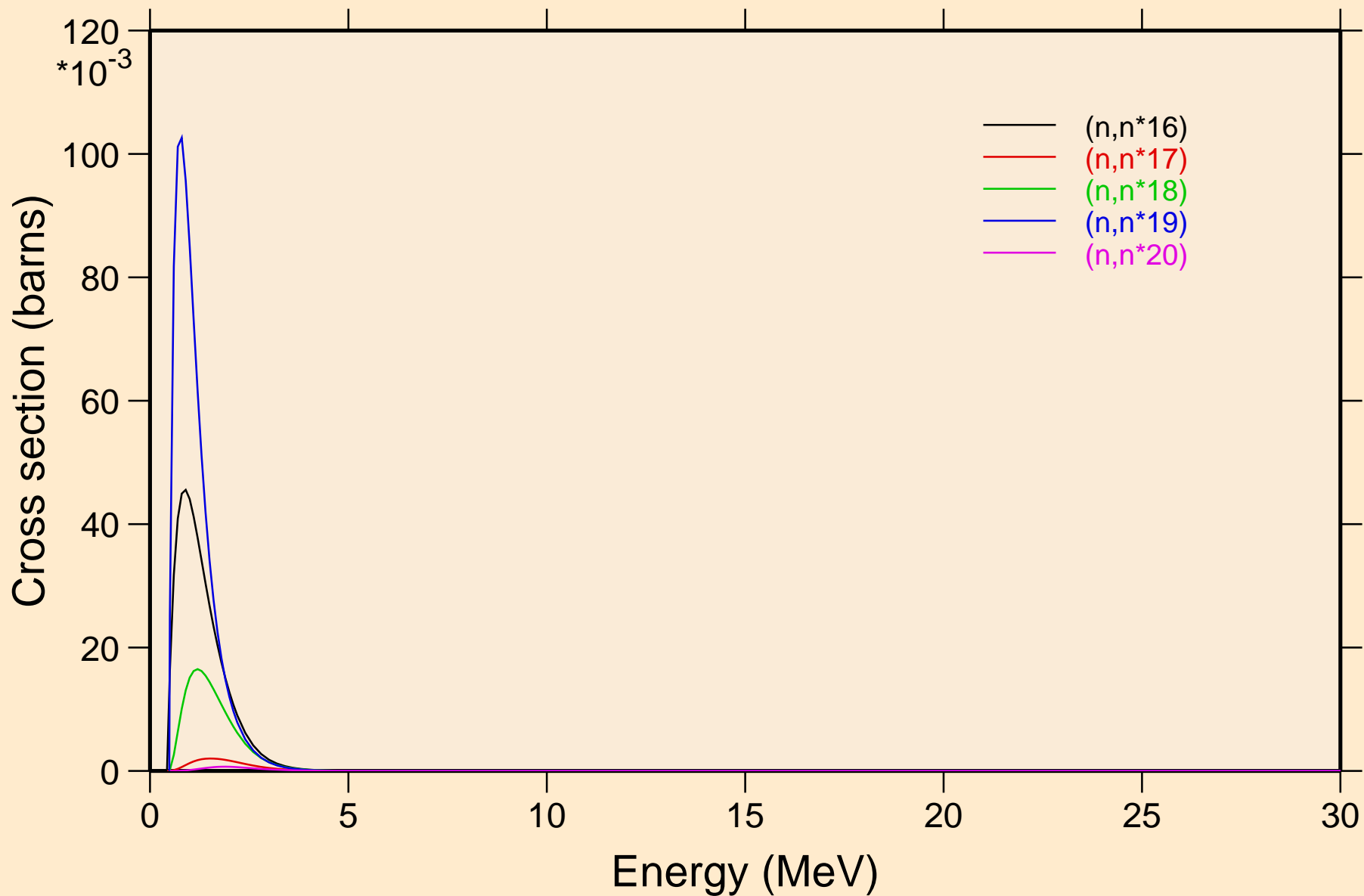


U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

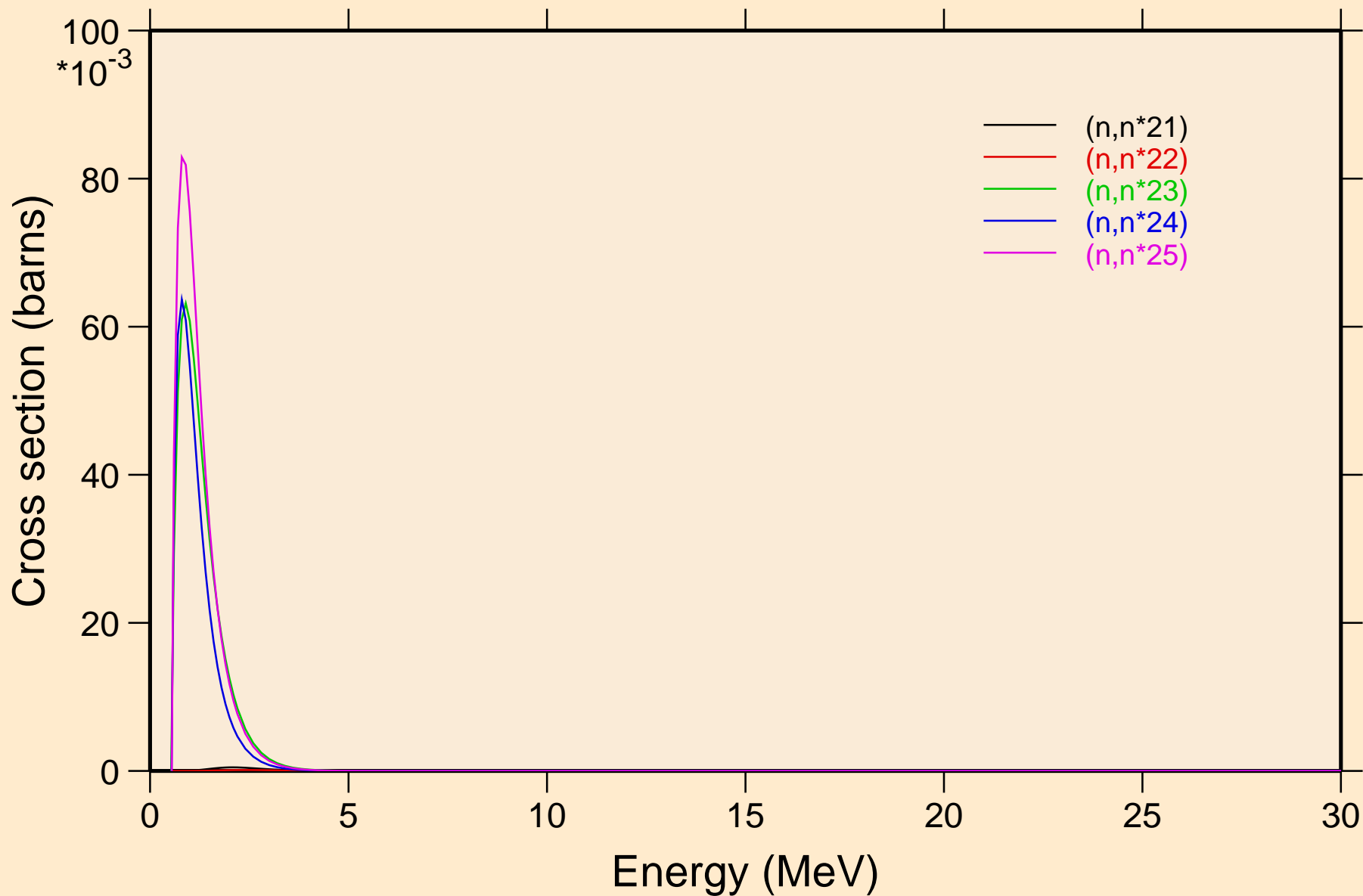




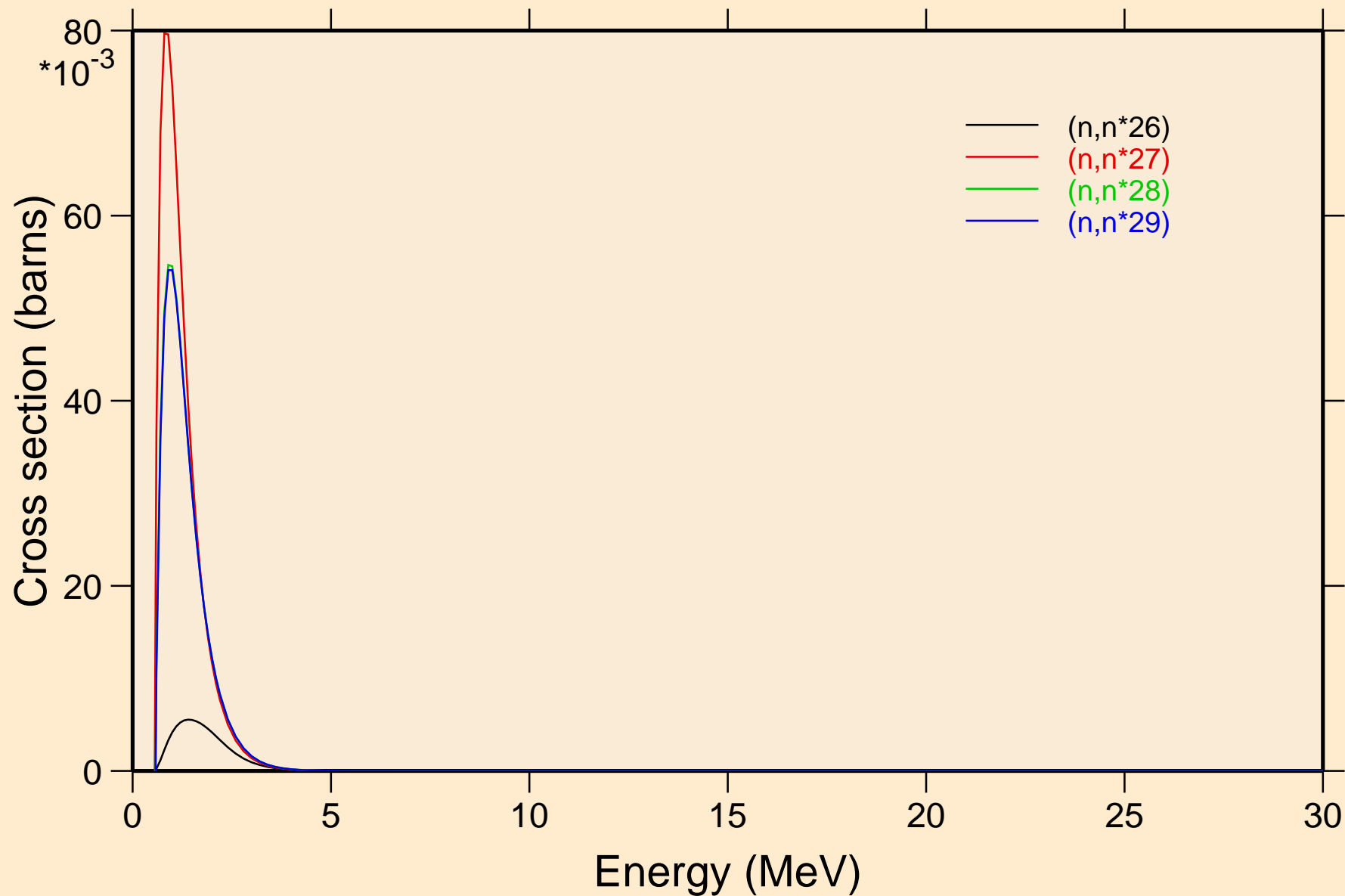
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

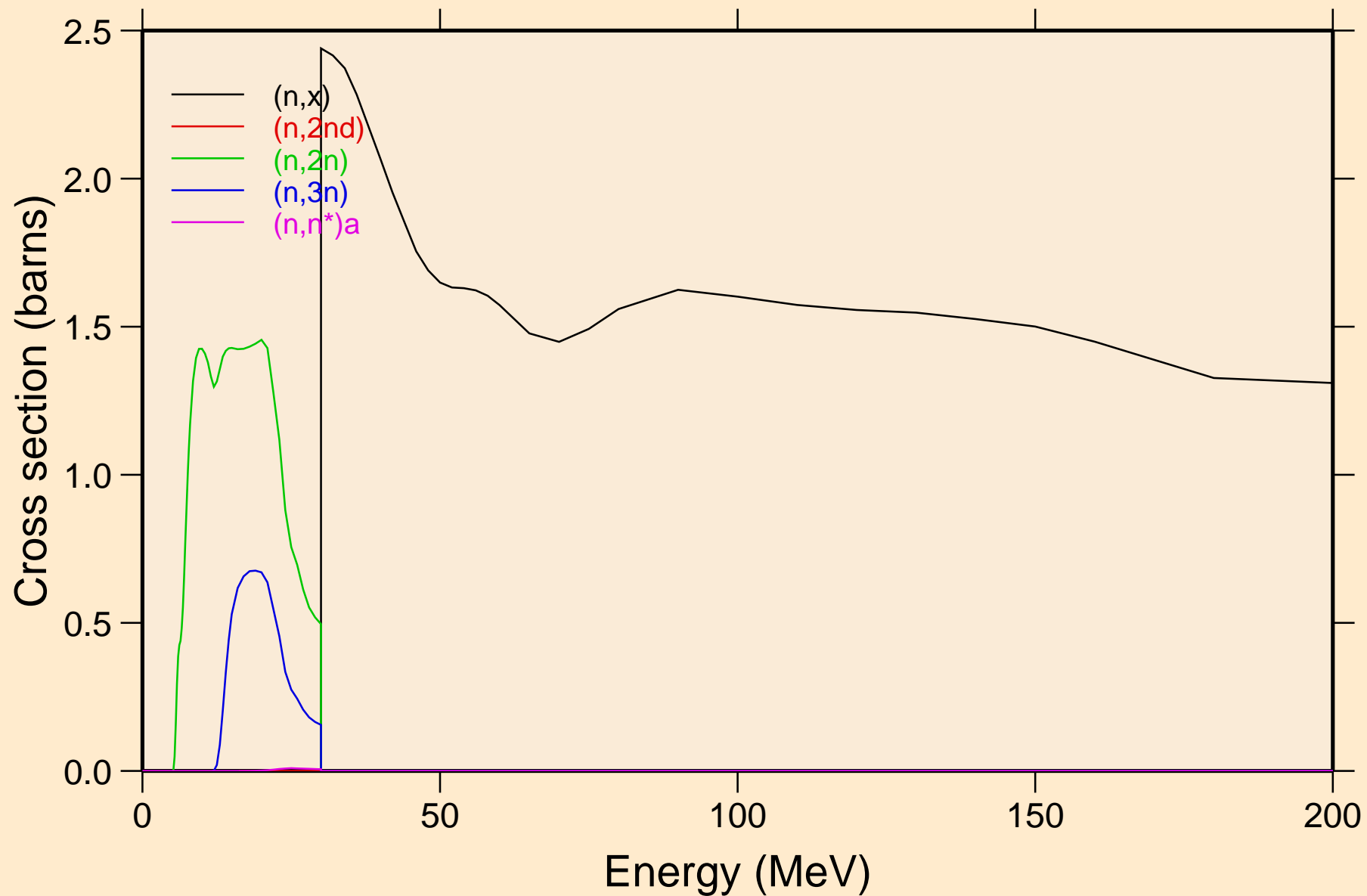


U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

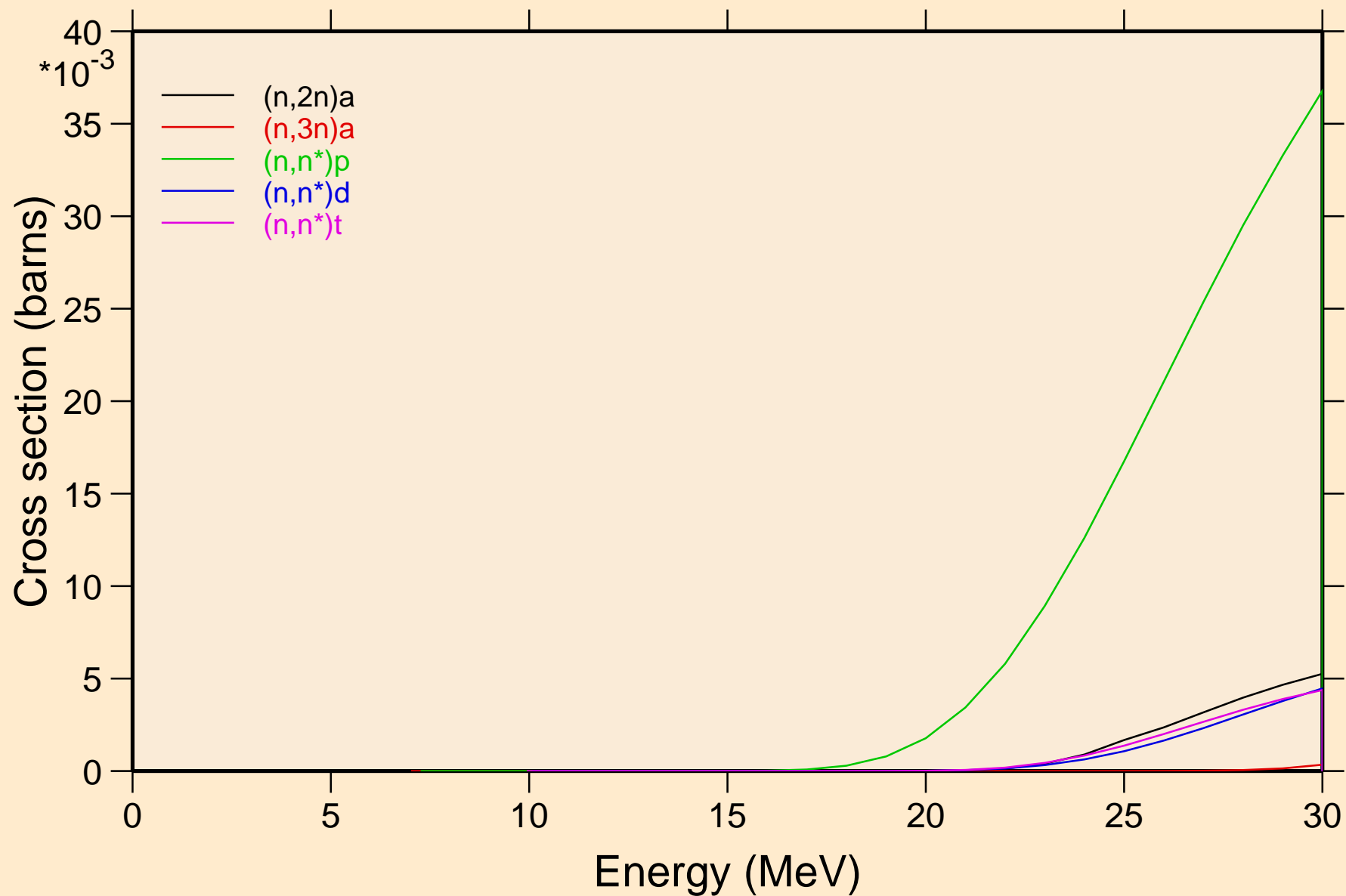


# U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

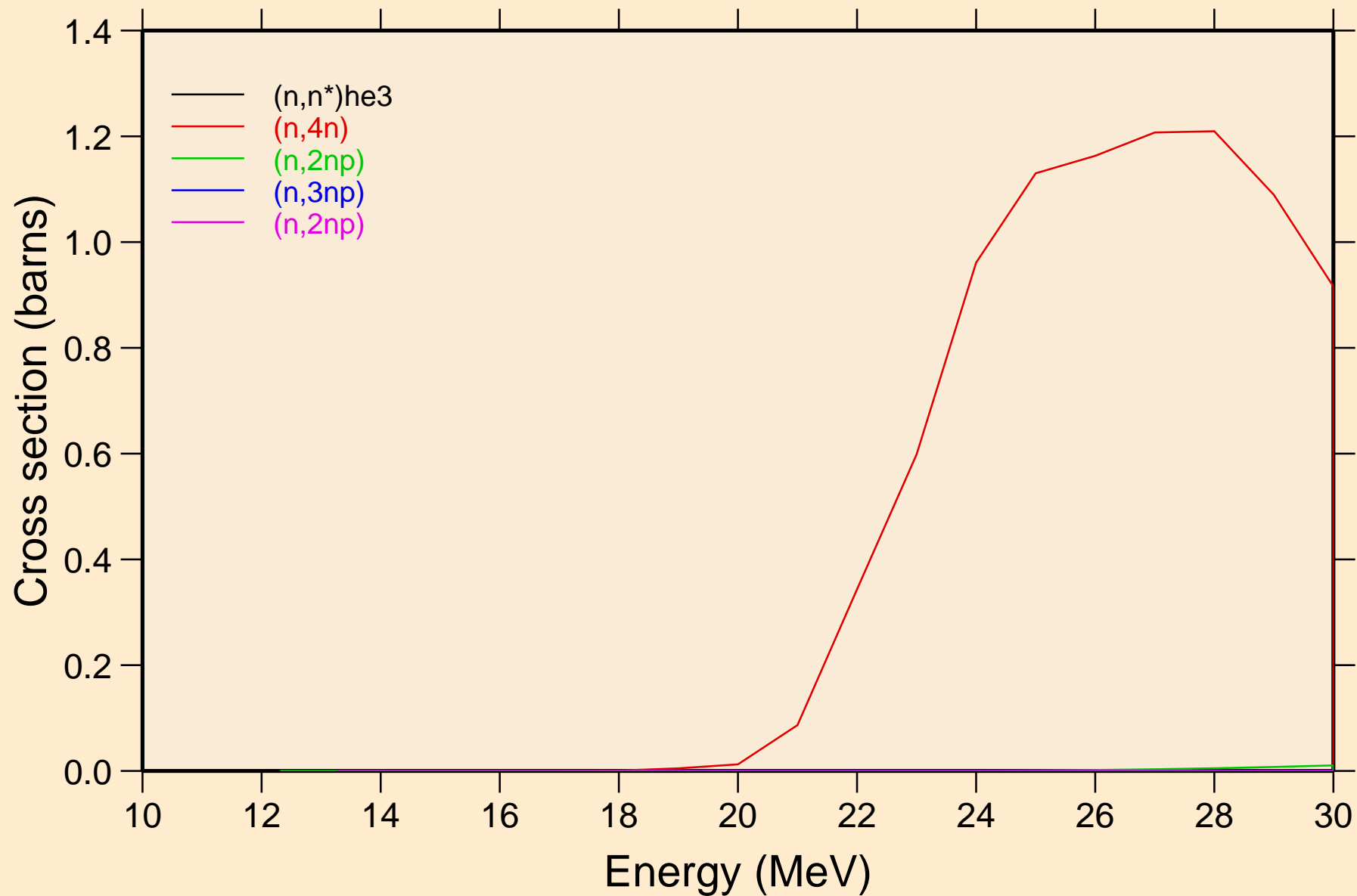
## Threshold reactions



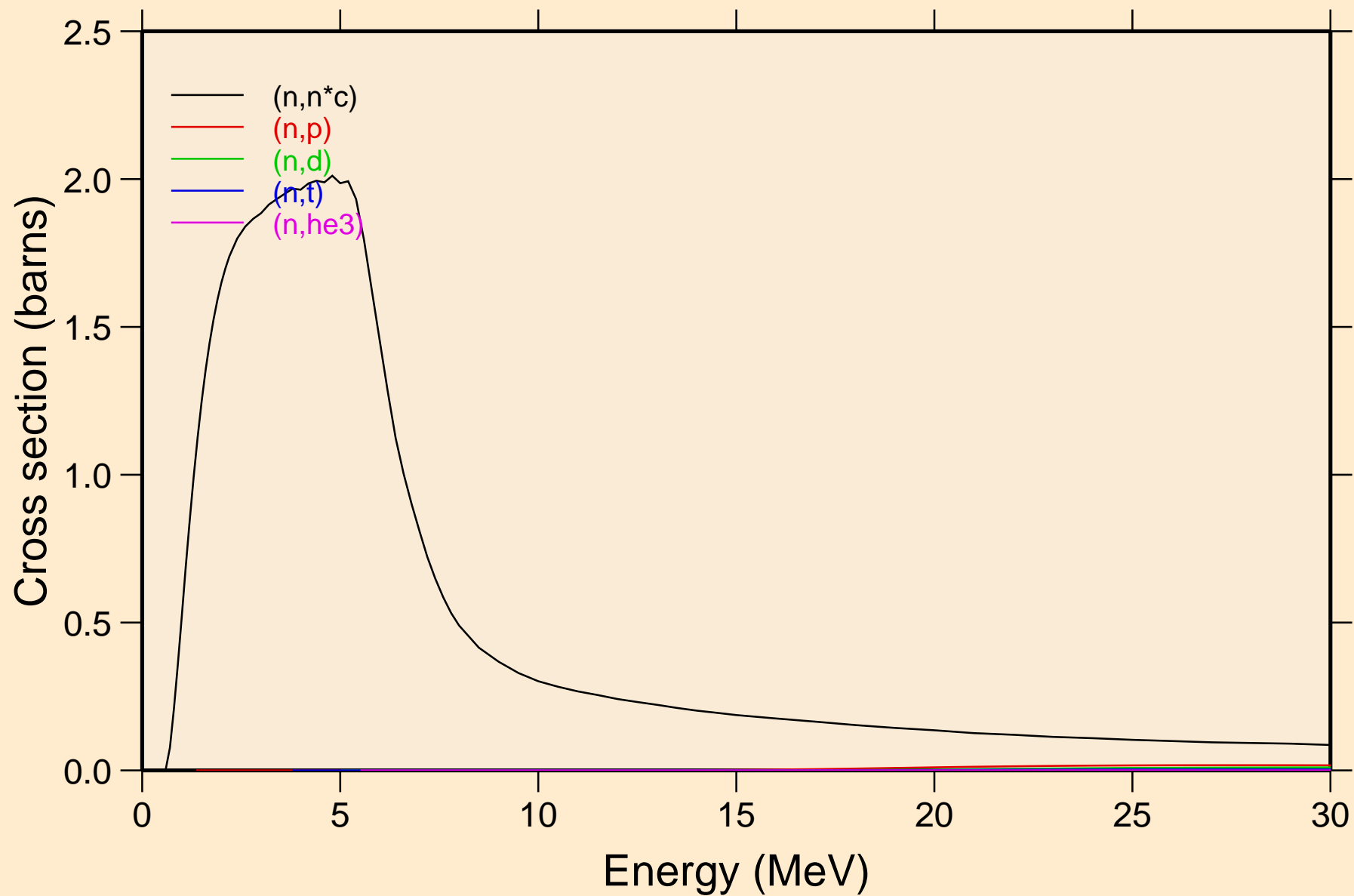
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



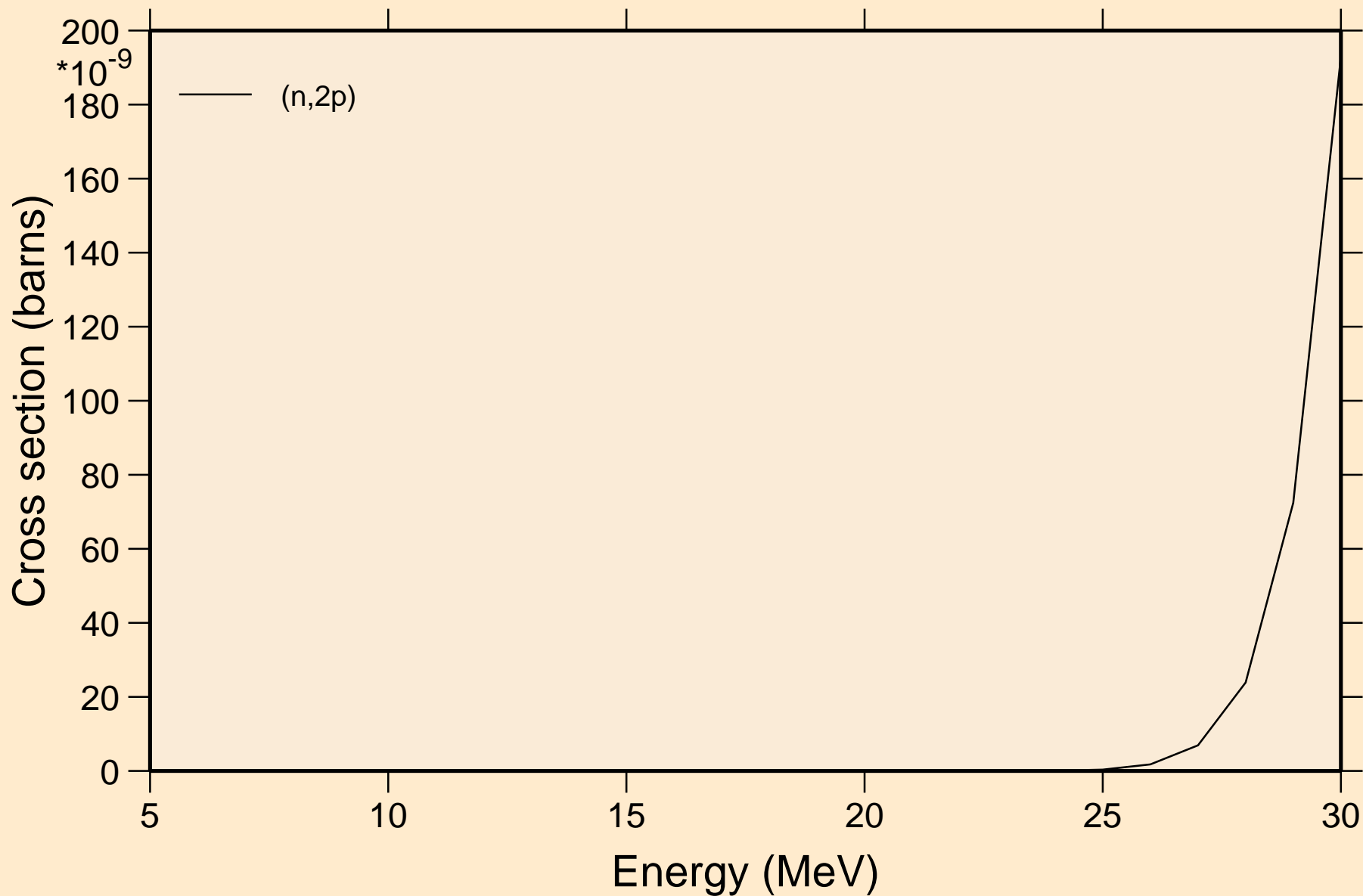
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

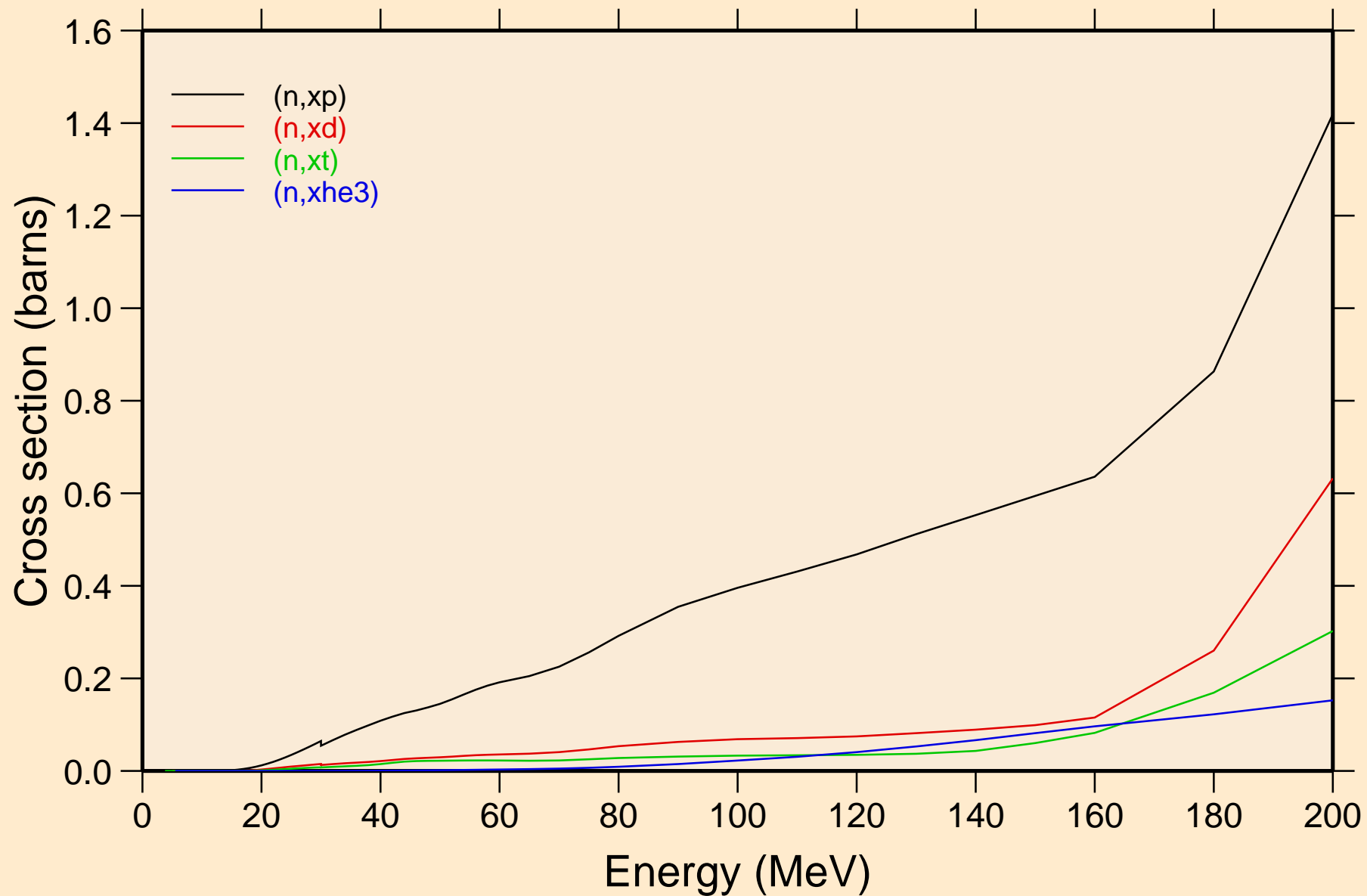


U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

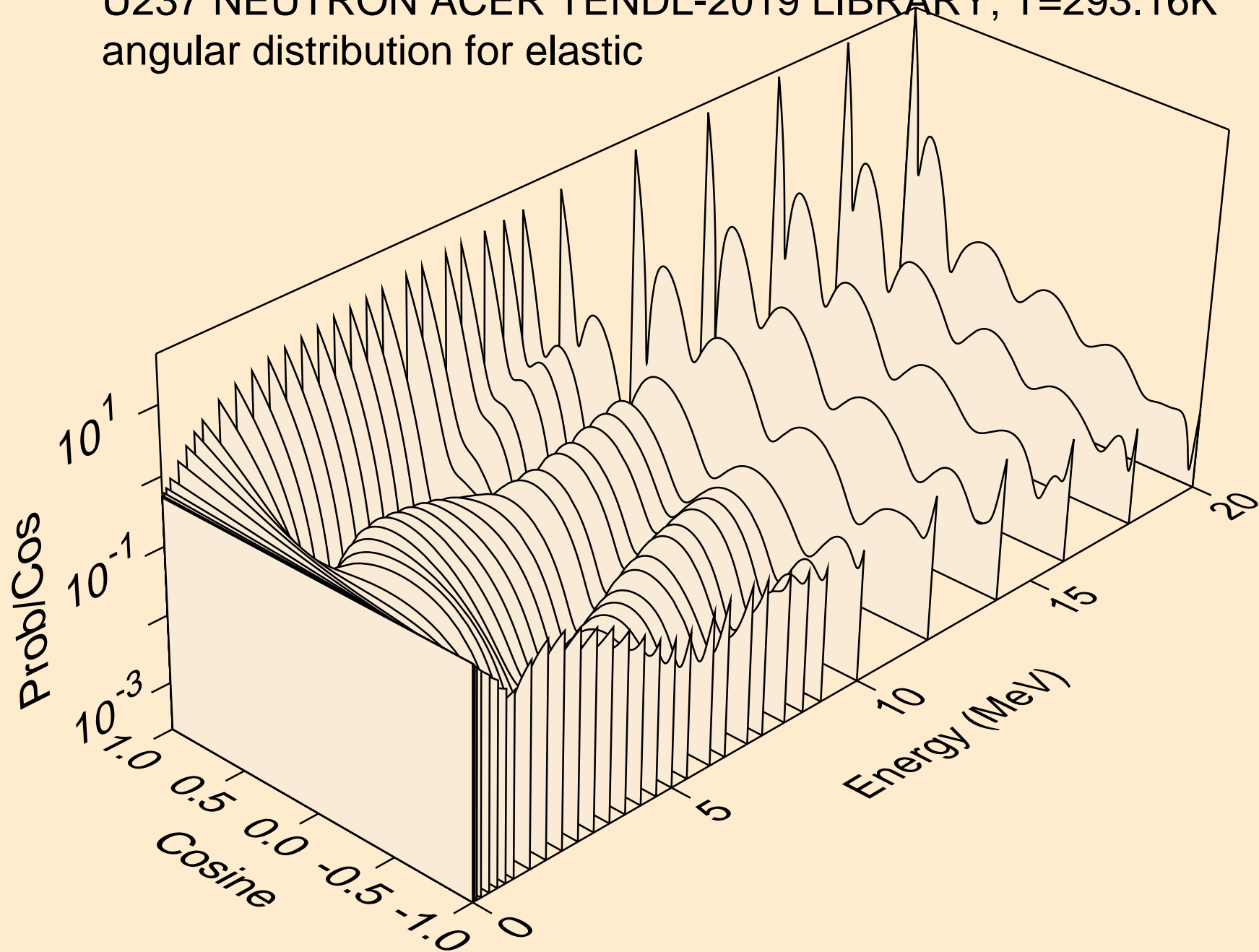




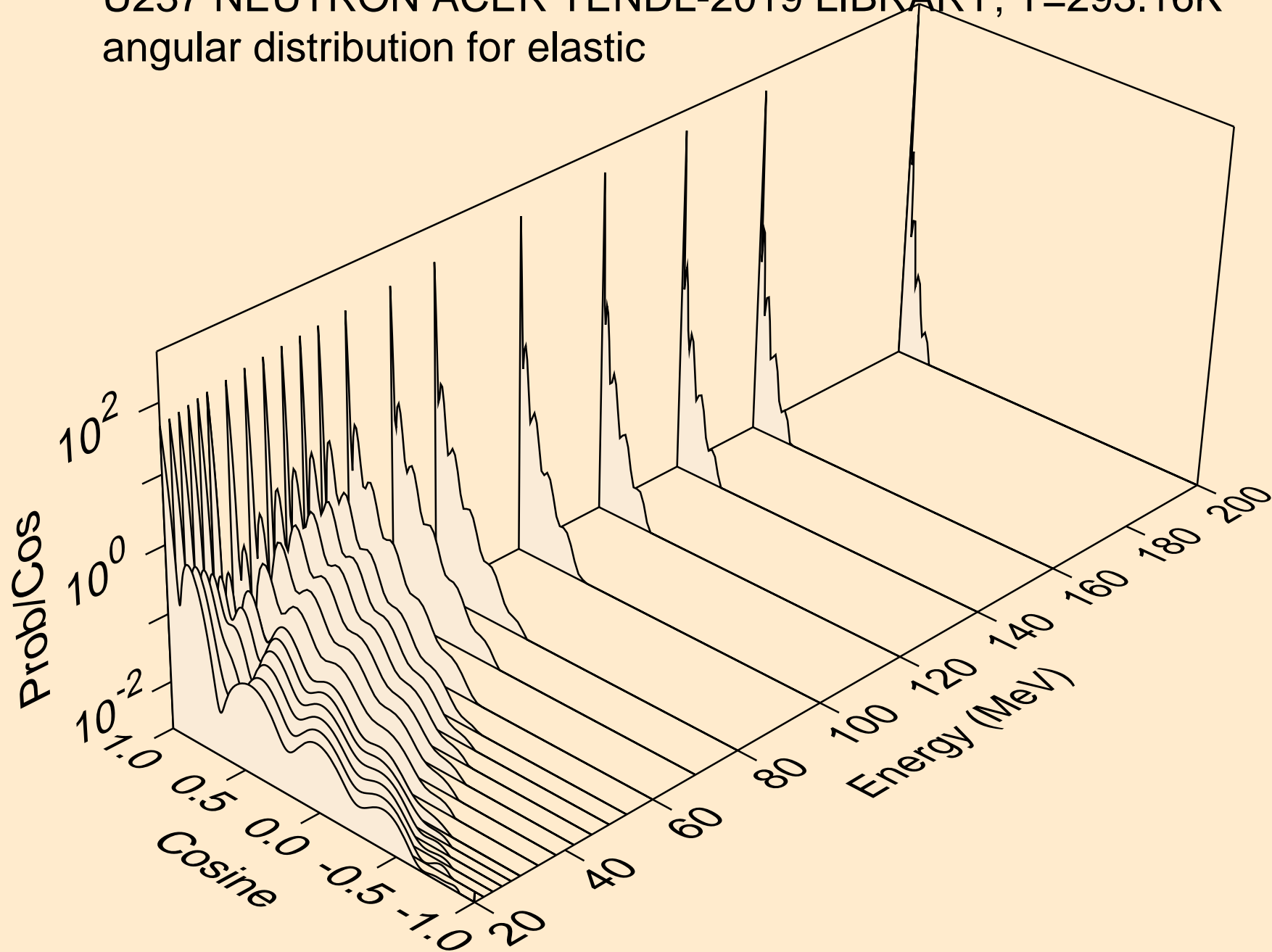
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



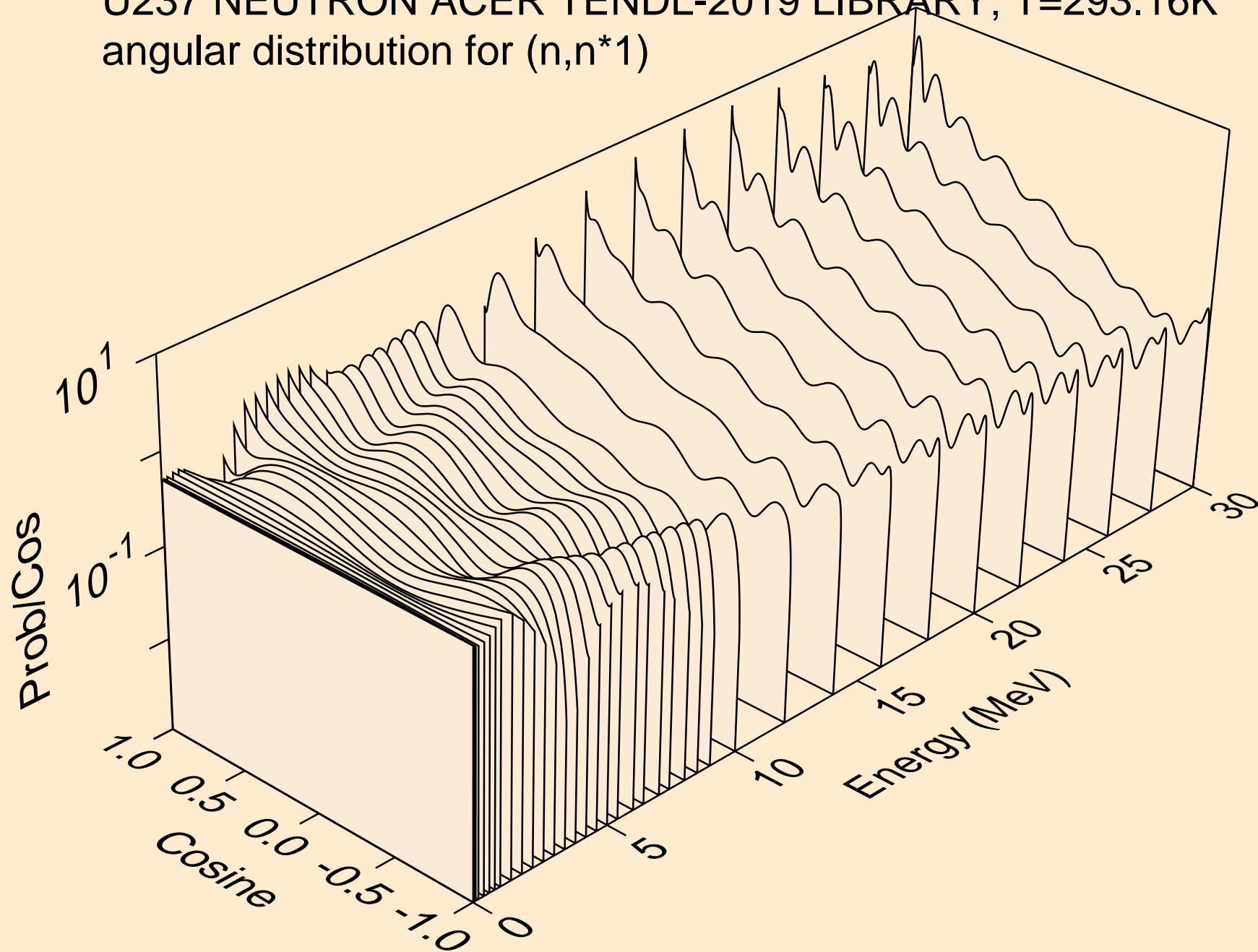
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



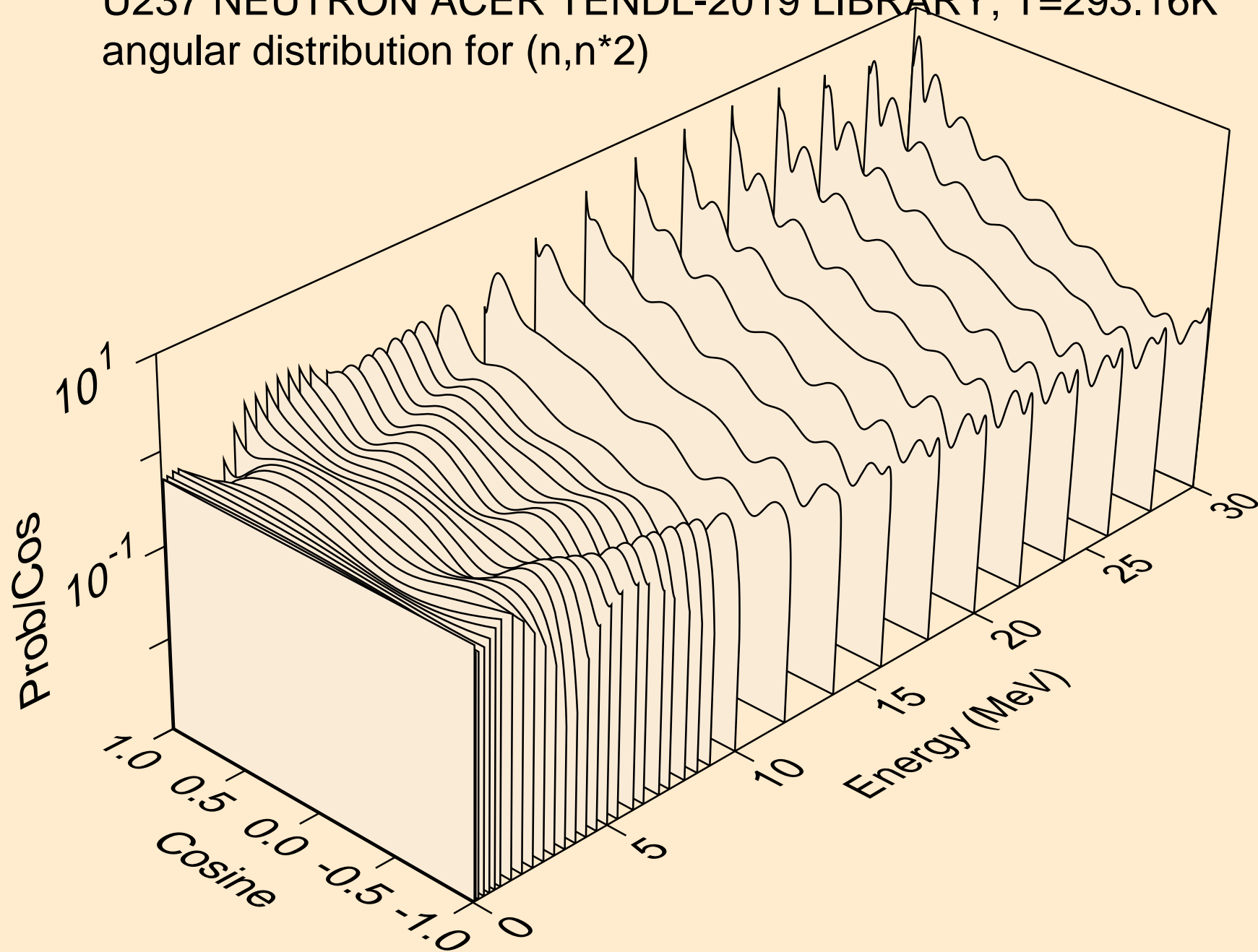
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



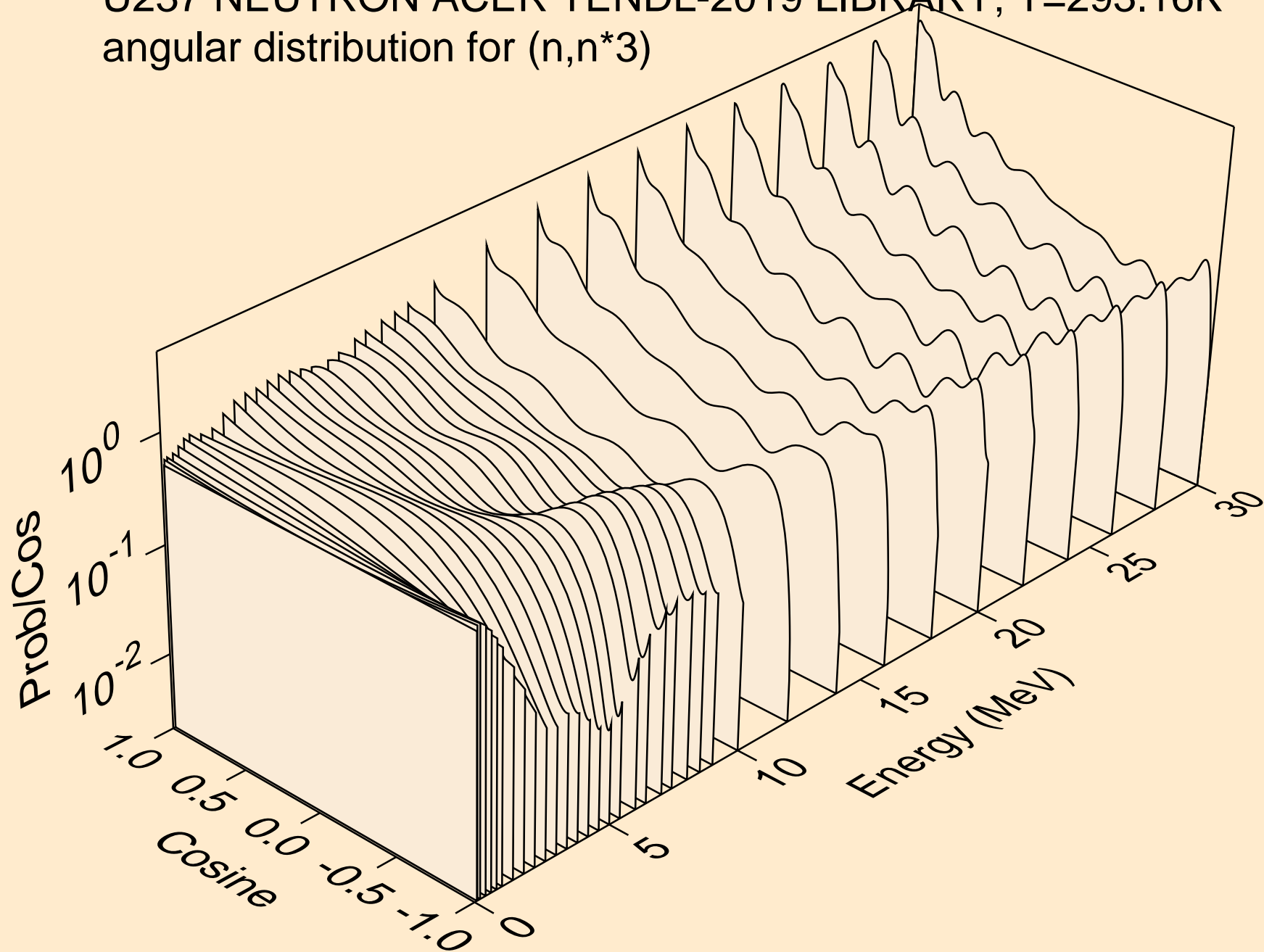
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)



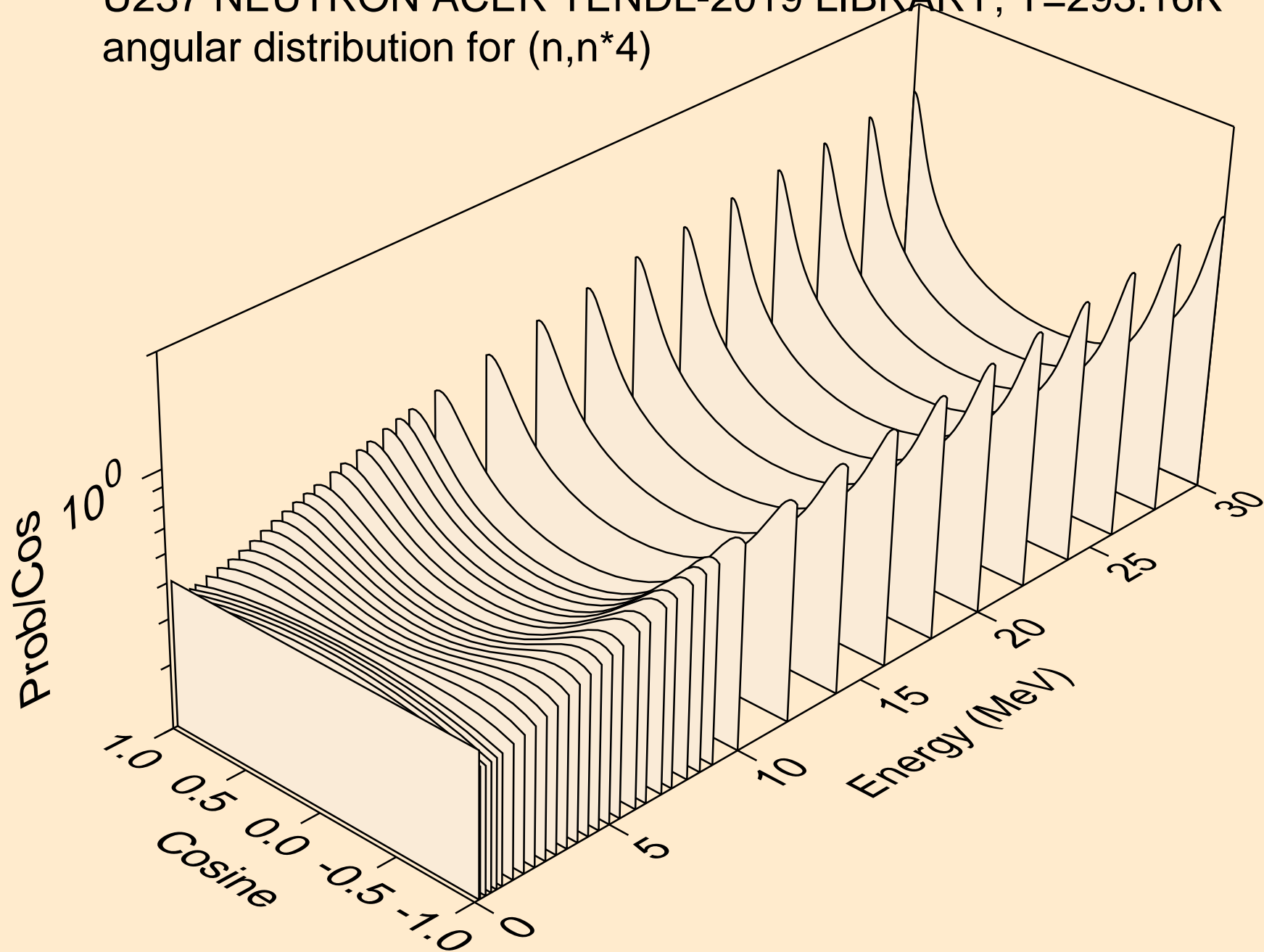
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*2)



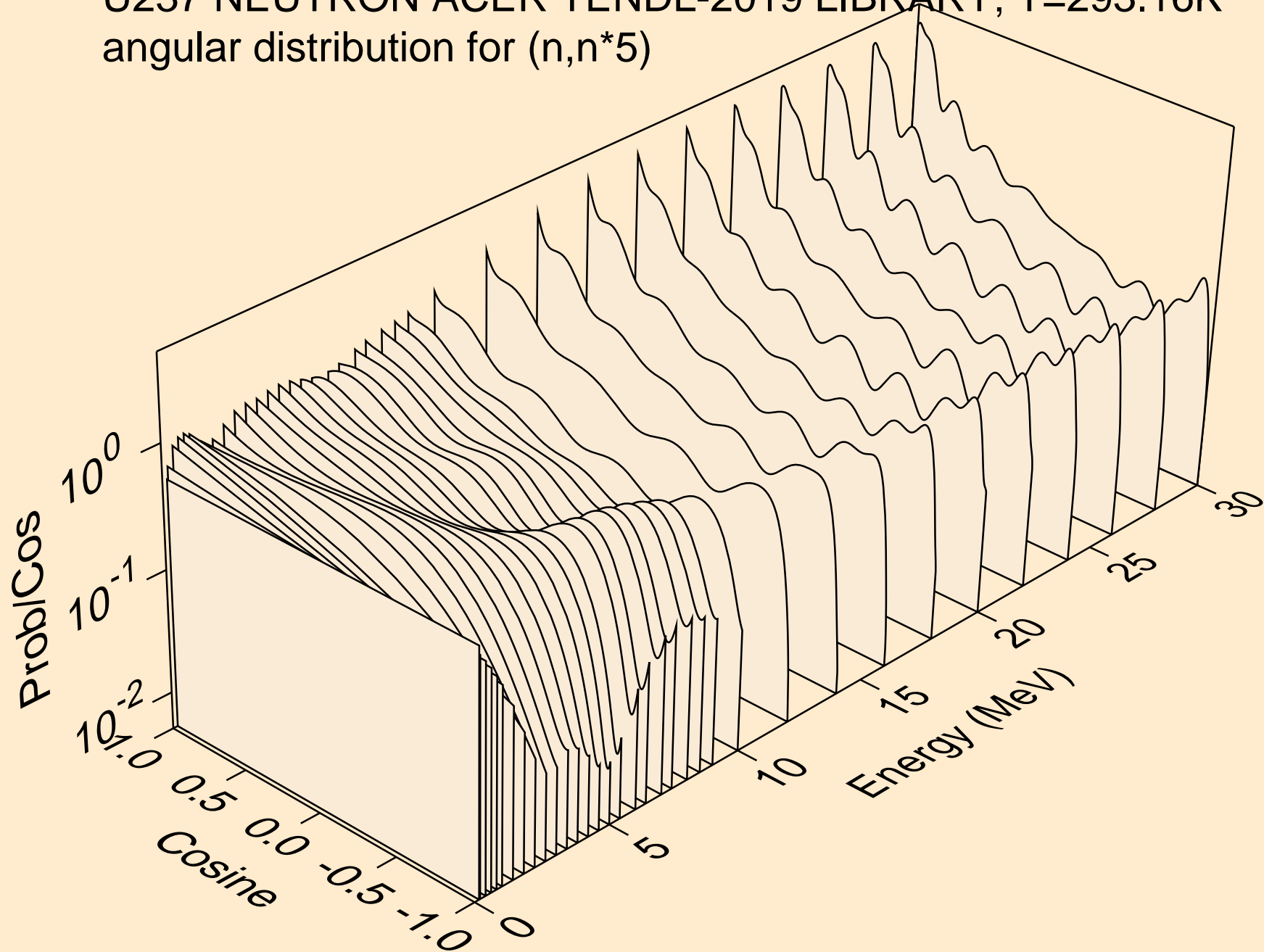
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*3)



U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*4)

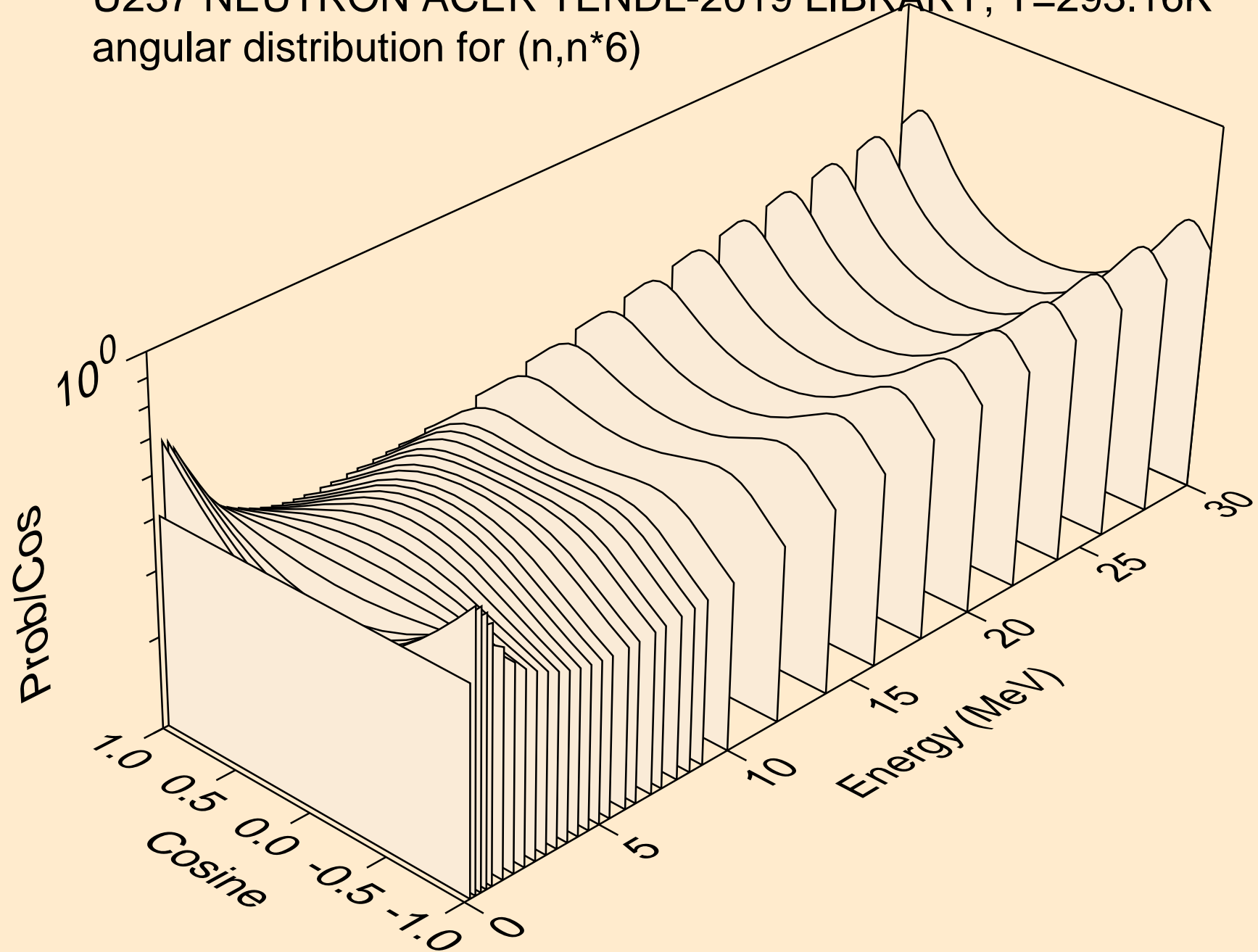


U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*5)

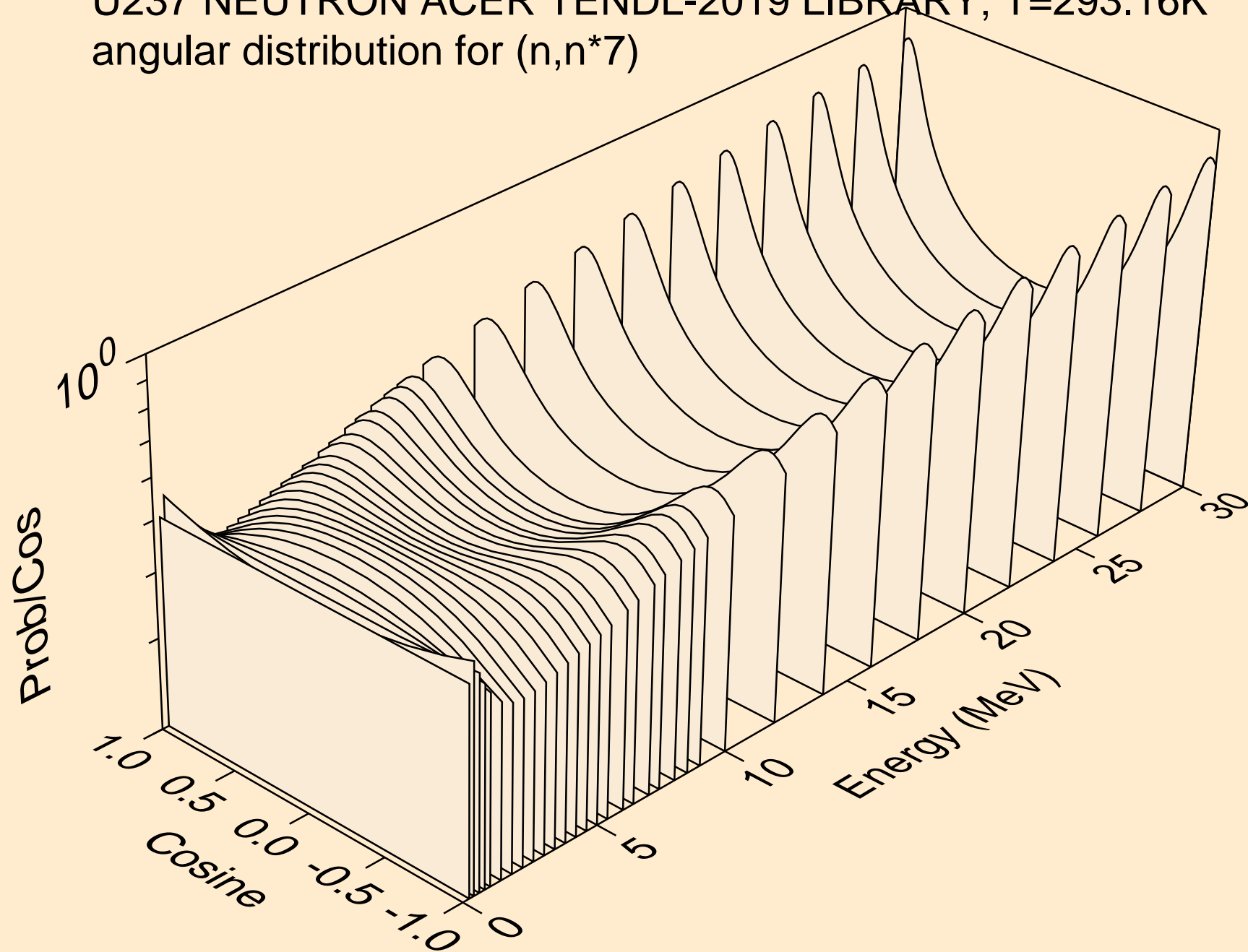




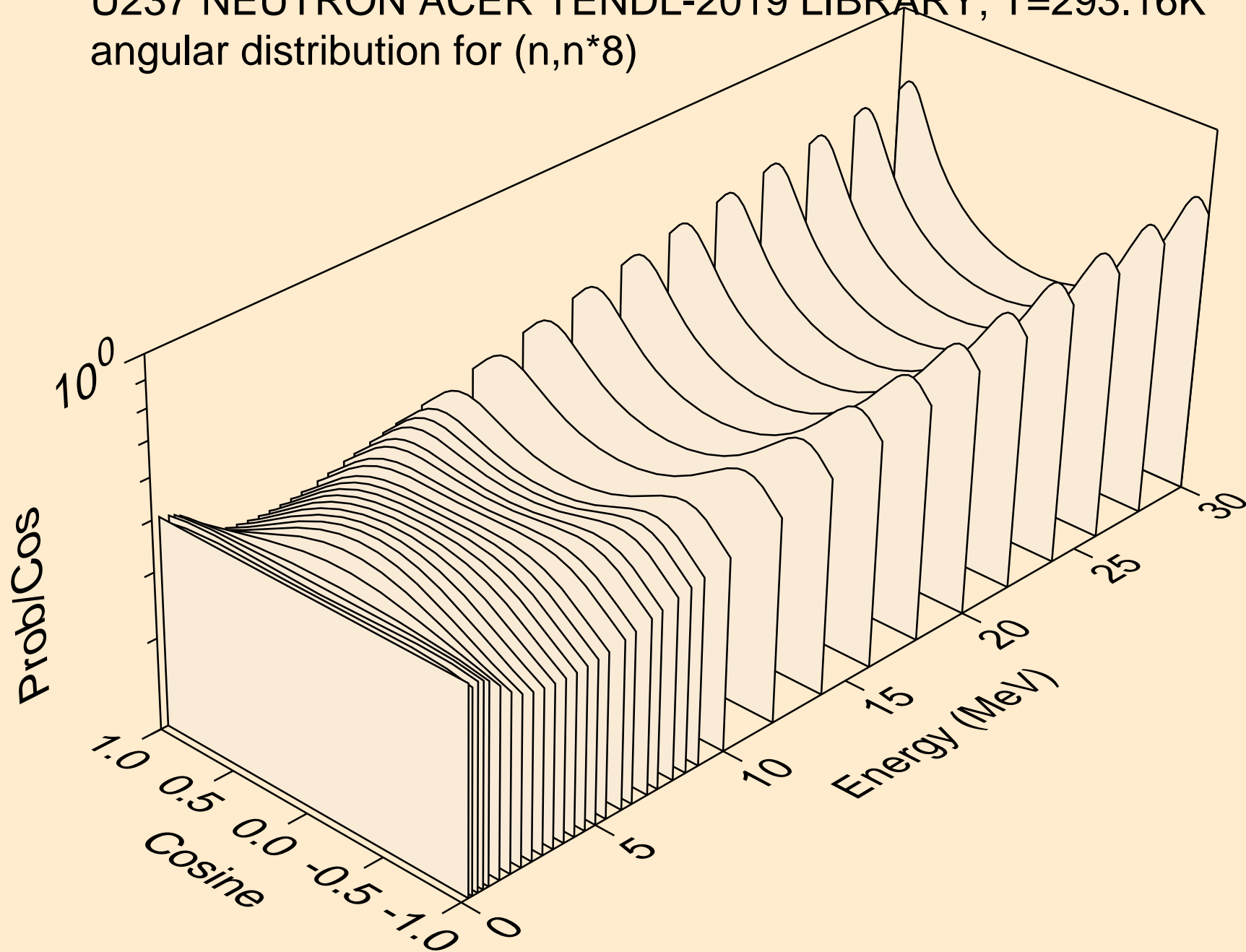
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*6)



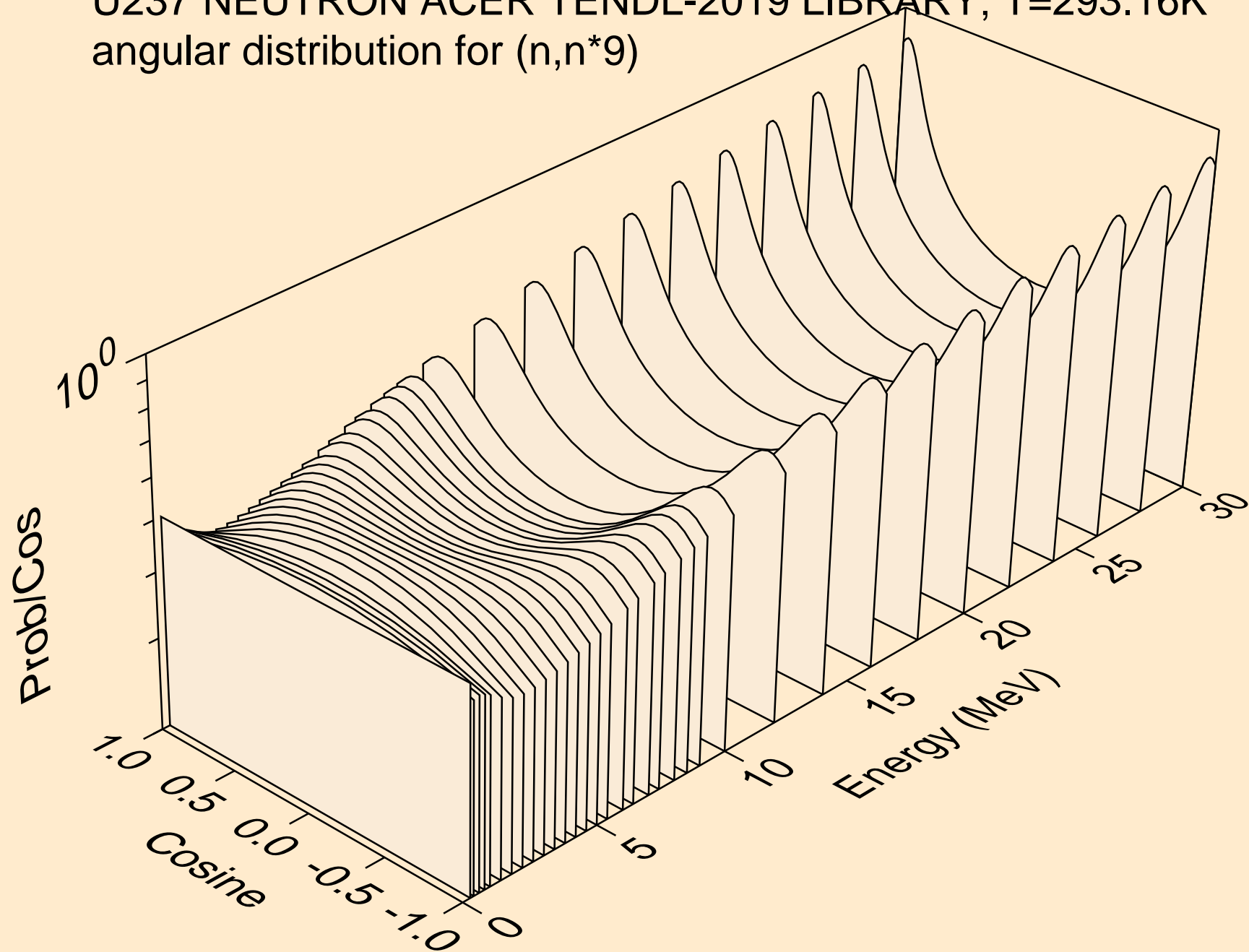
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*7)



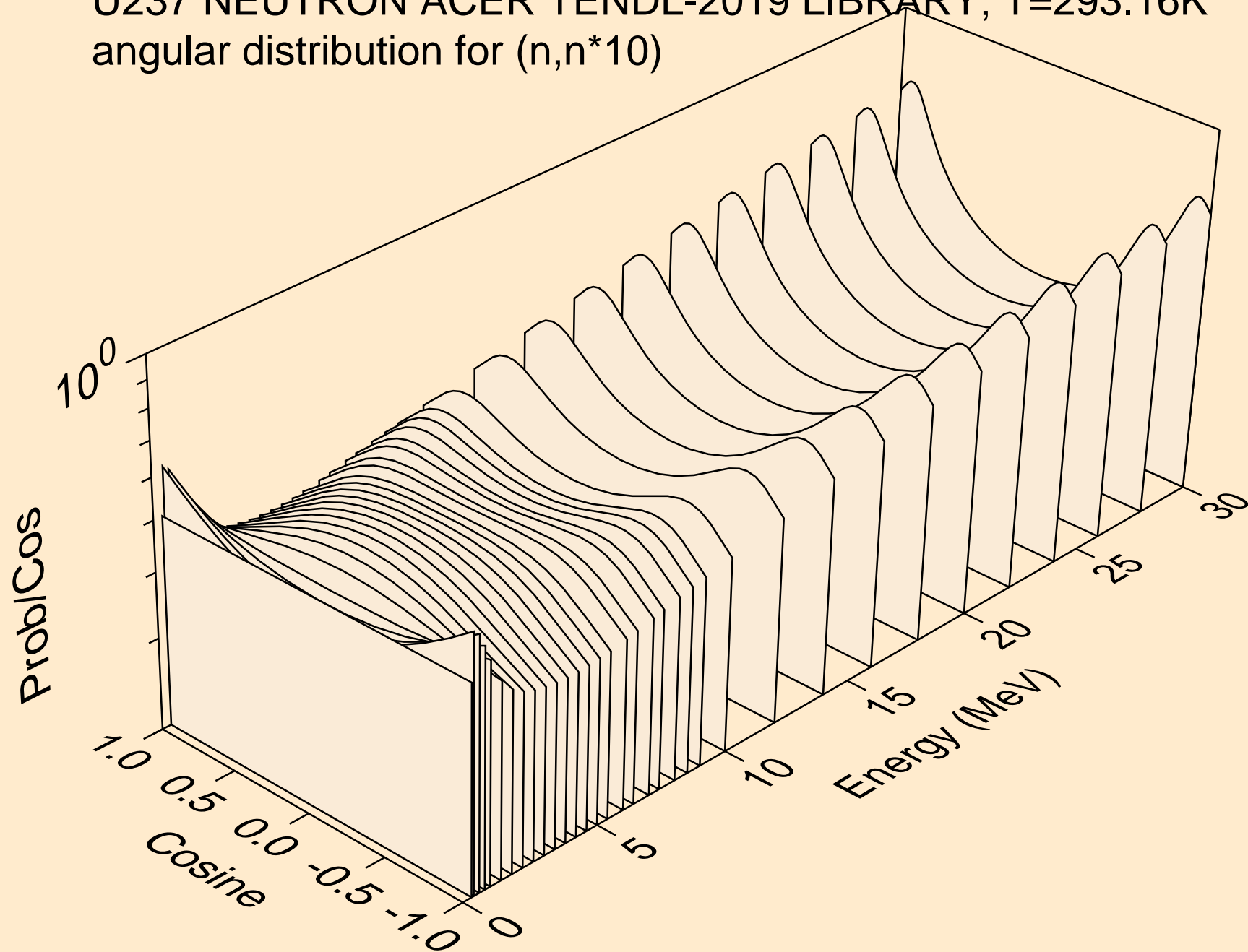
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*8)



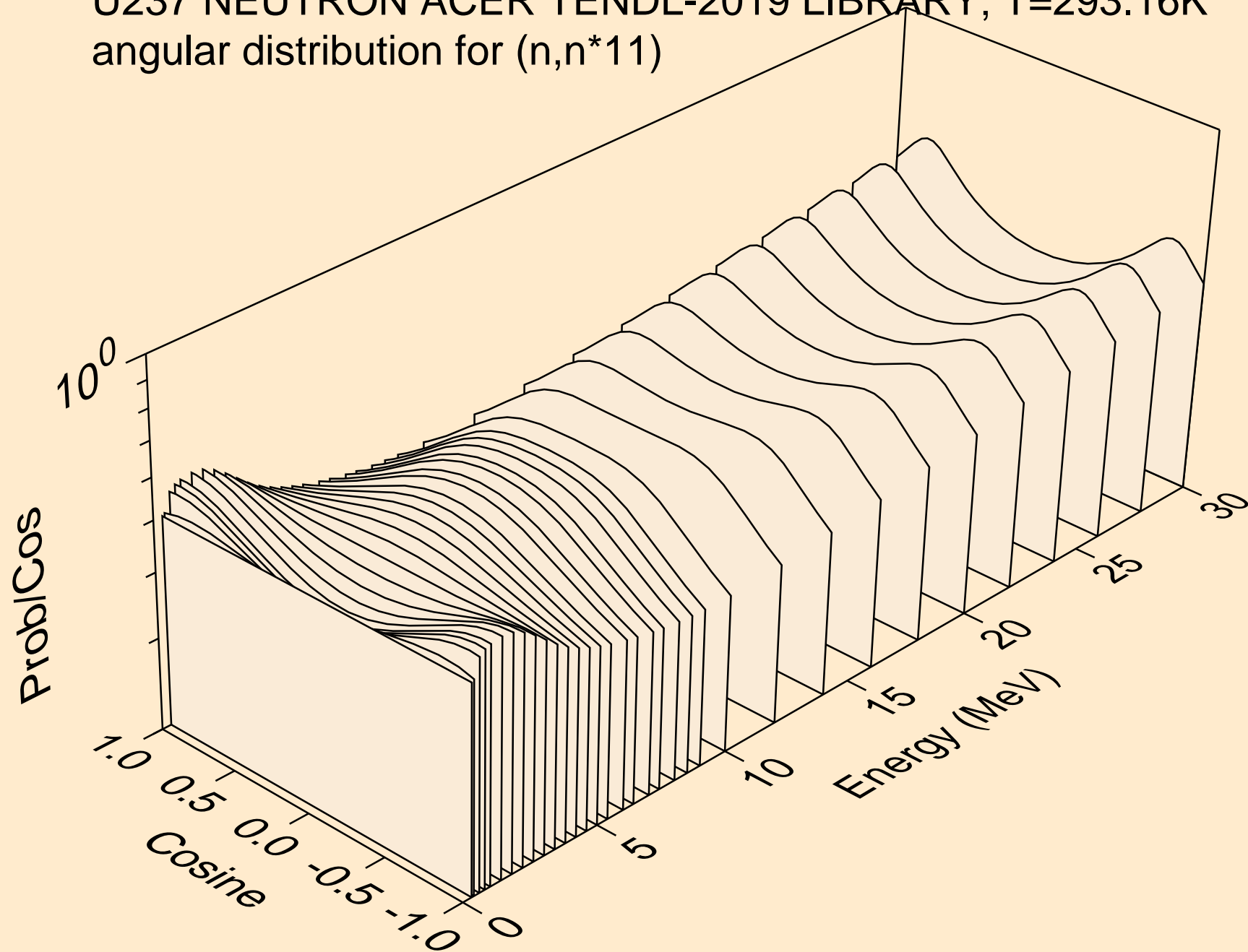
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*9)



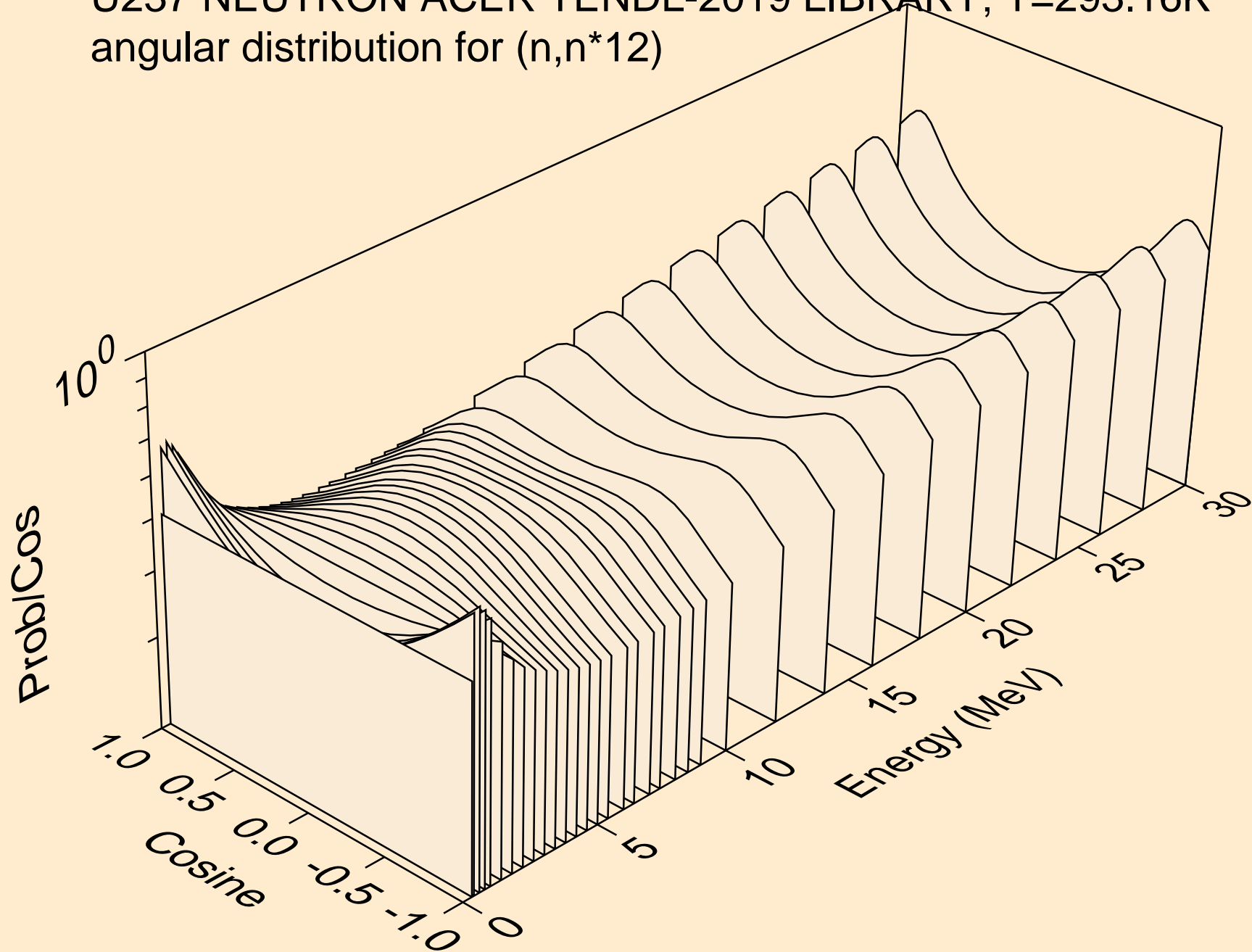
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*10)



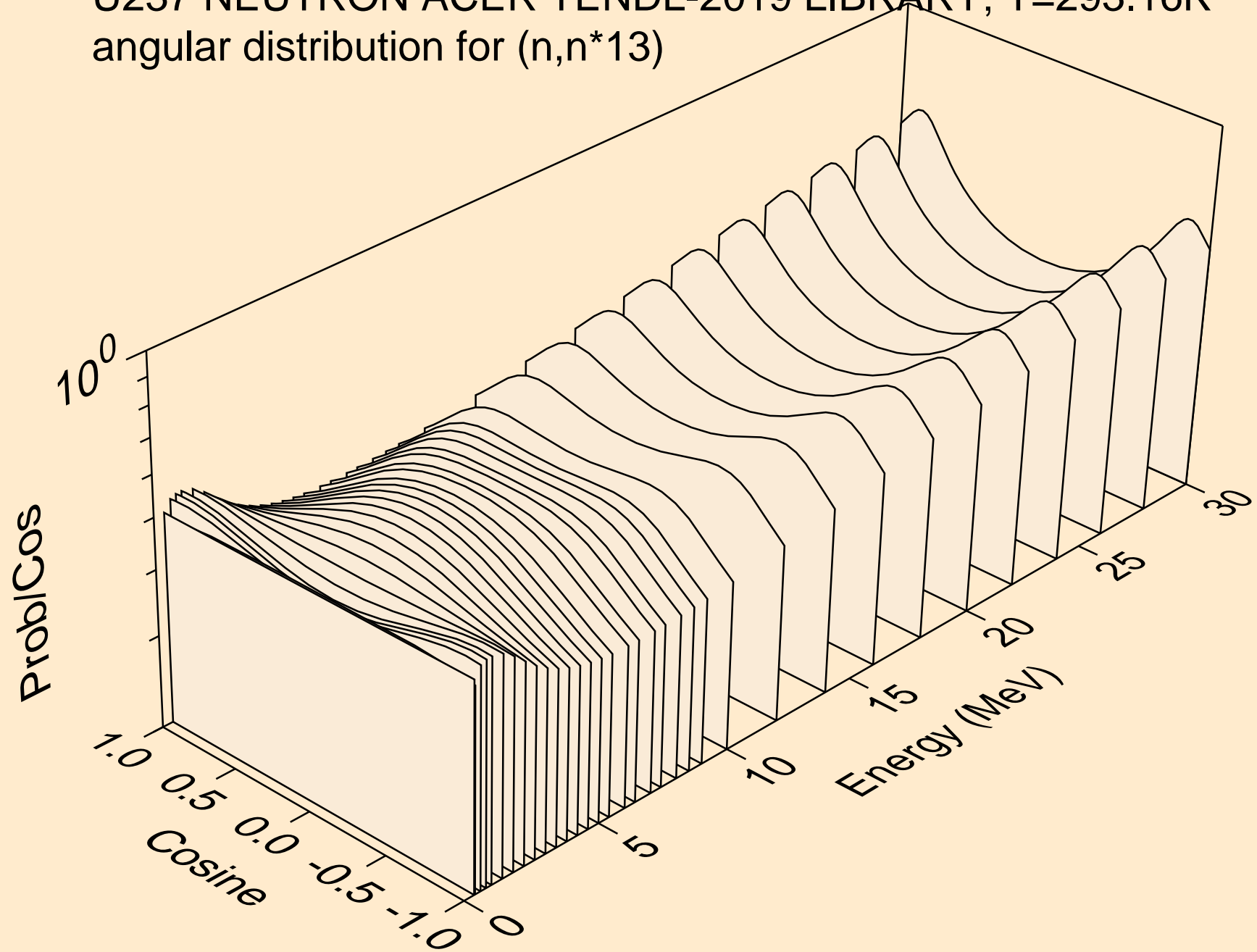
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*11)



U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*12)

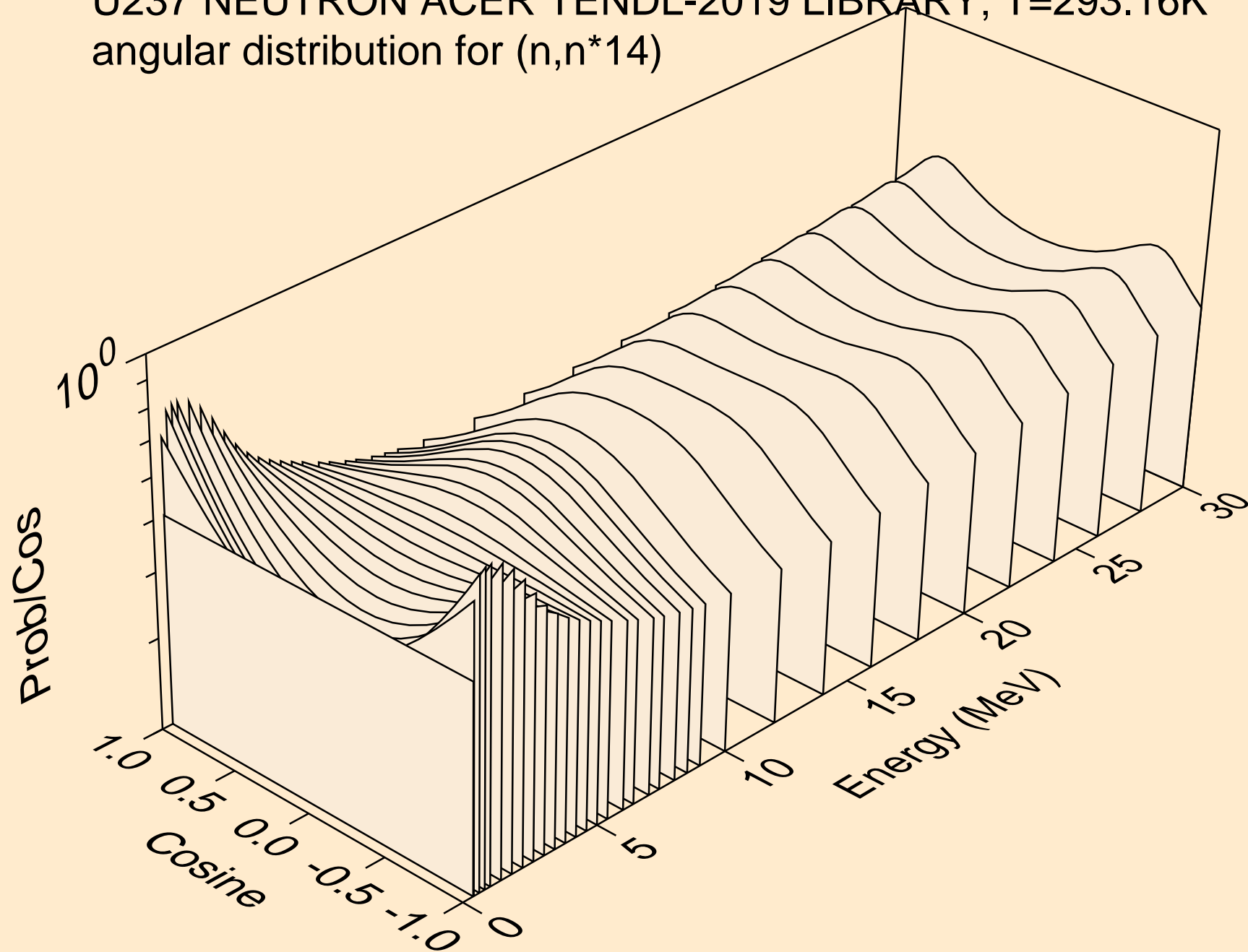


U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*13)

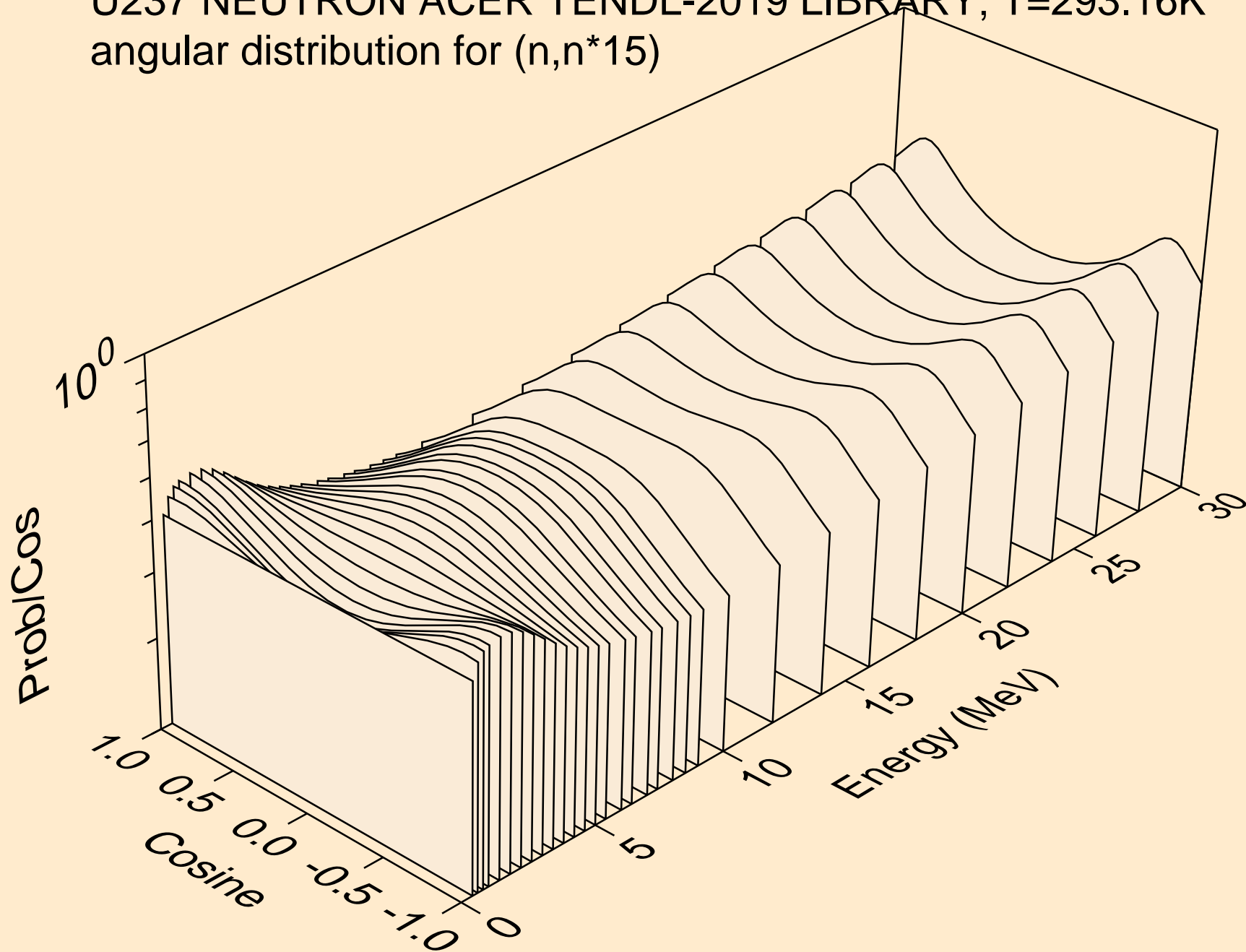




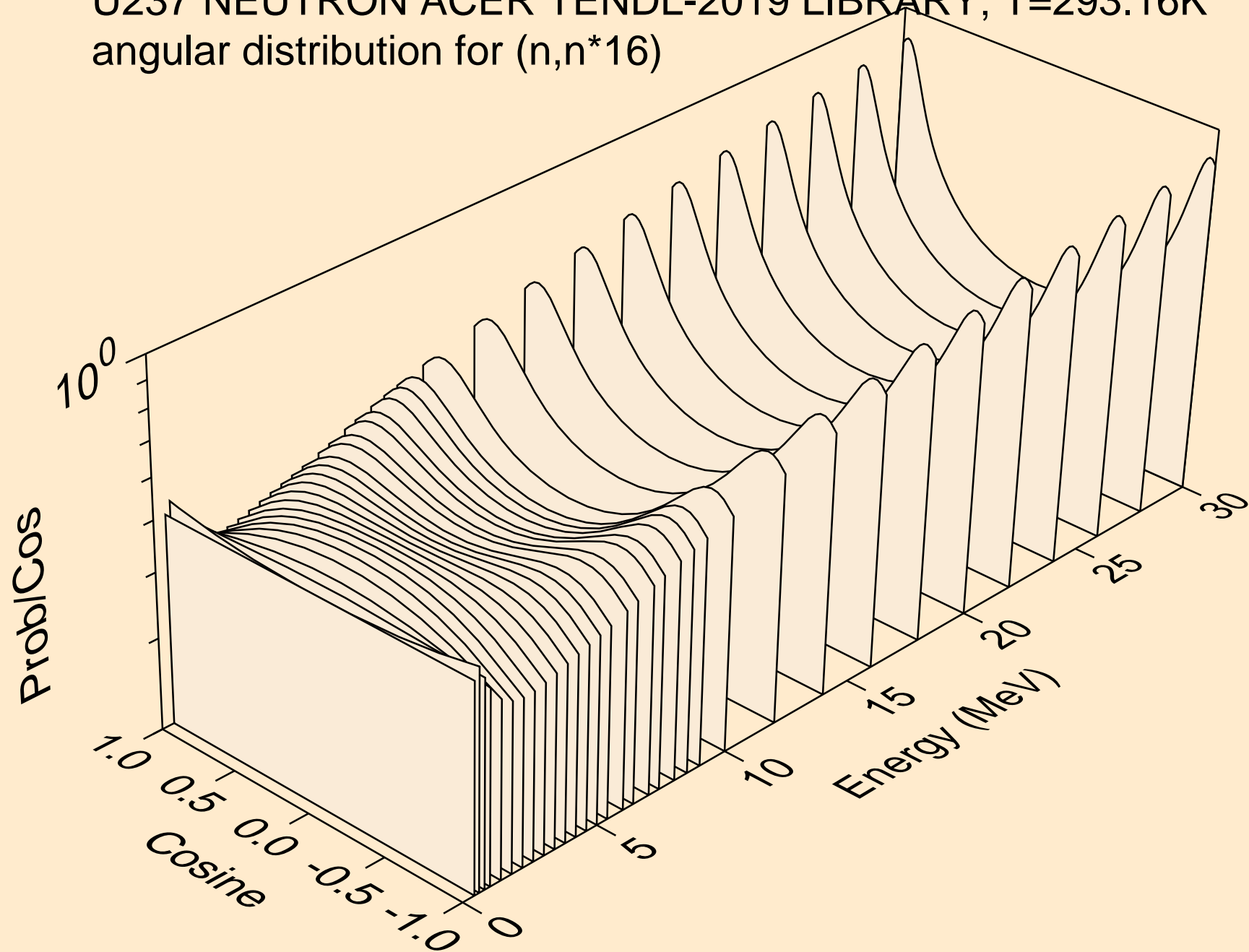
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*14)



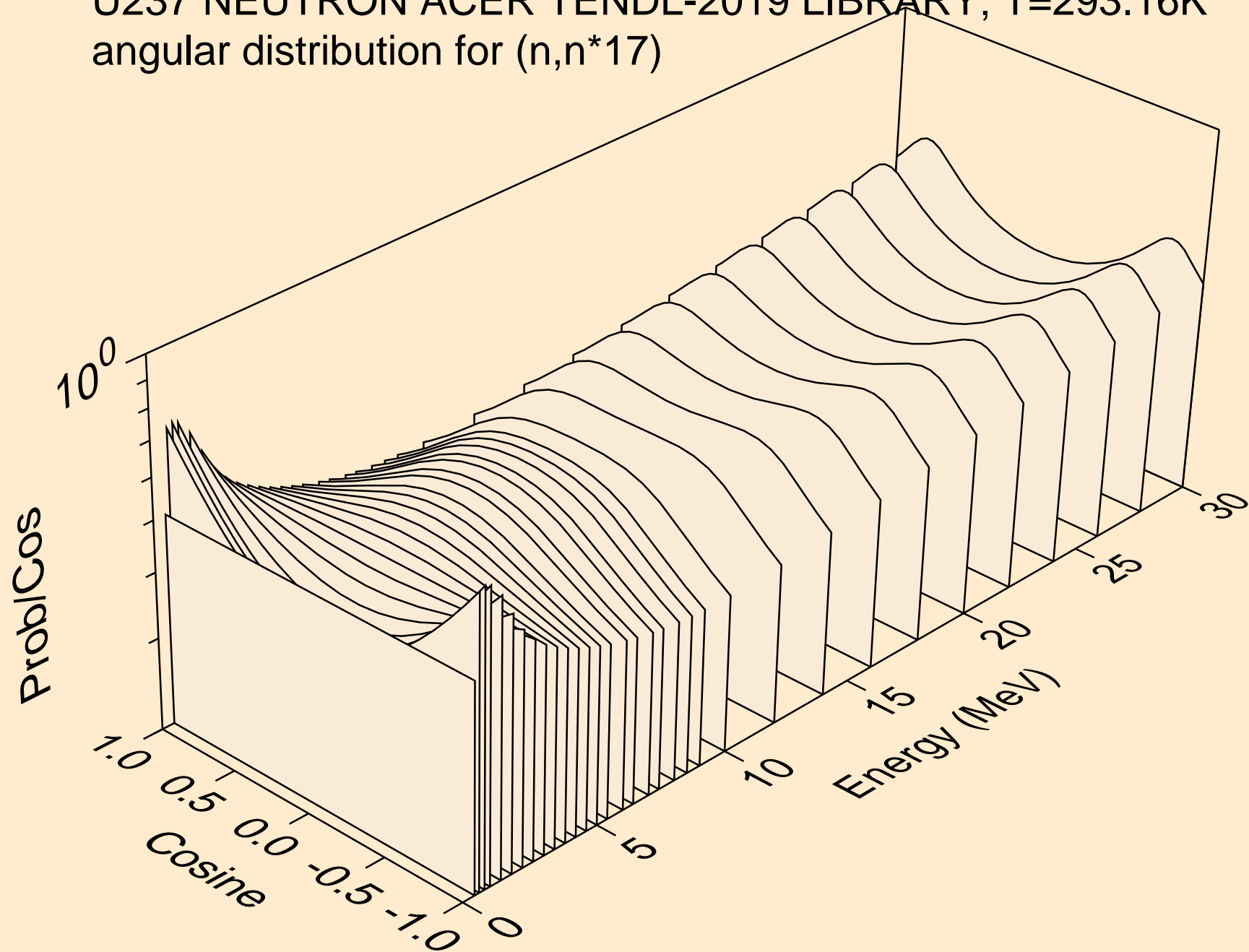
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*15)



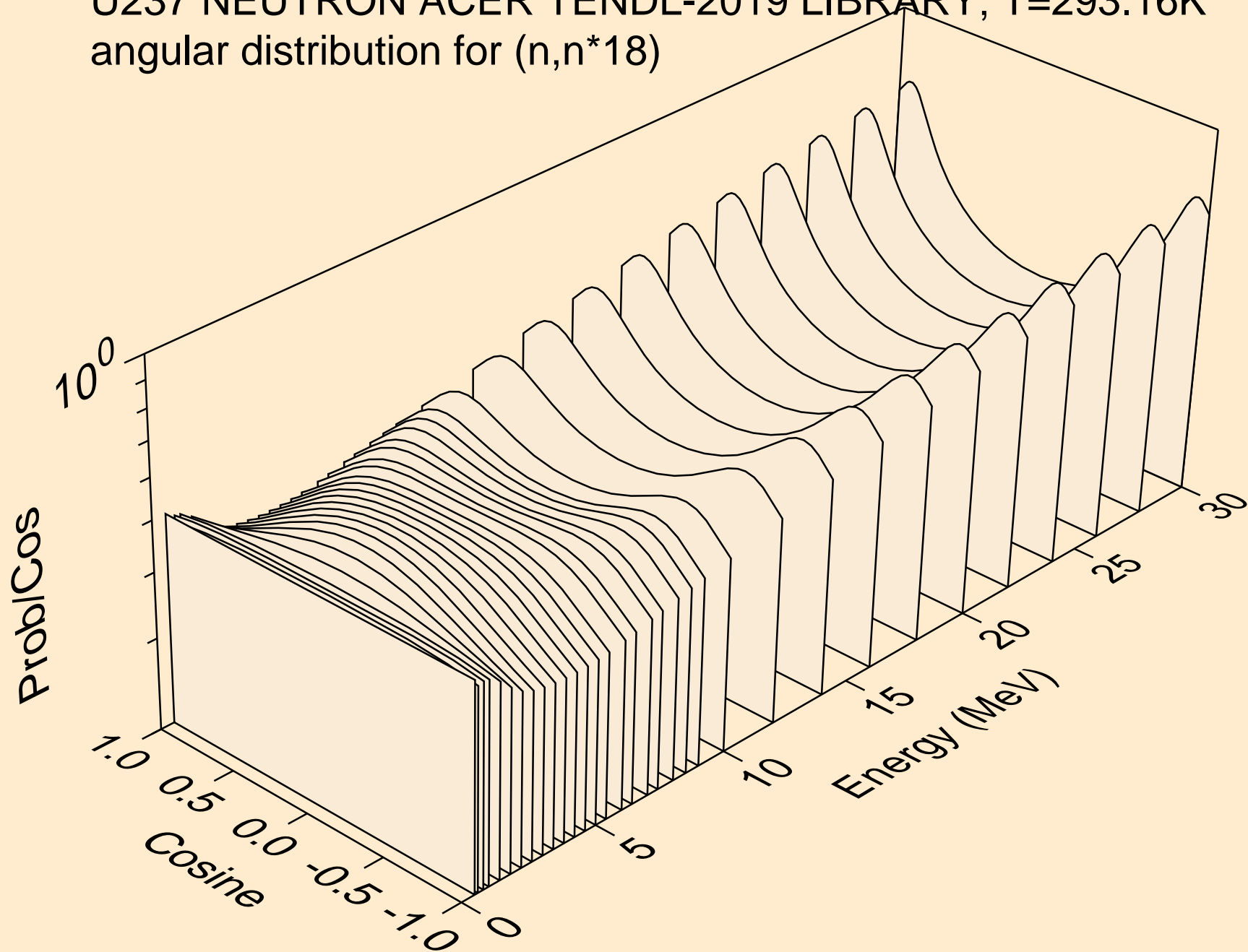
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*16)



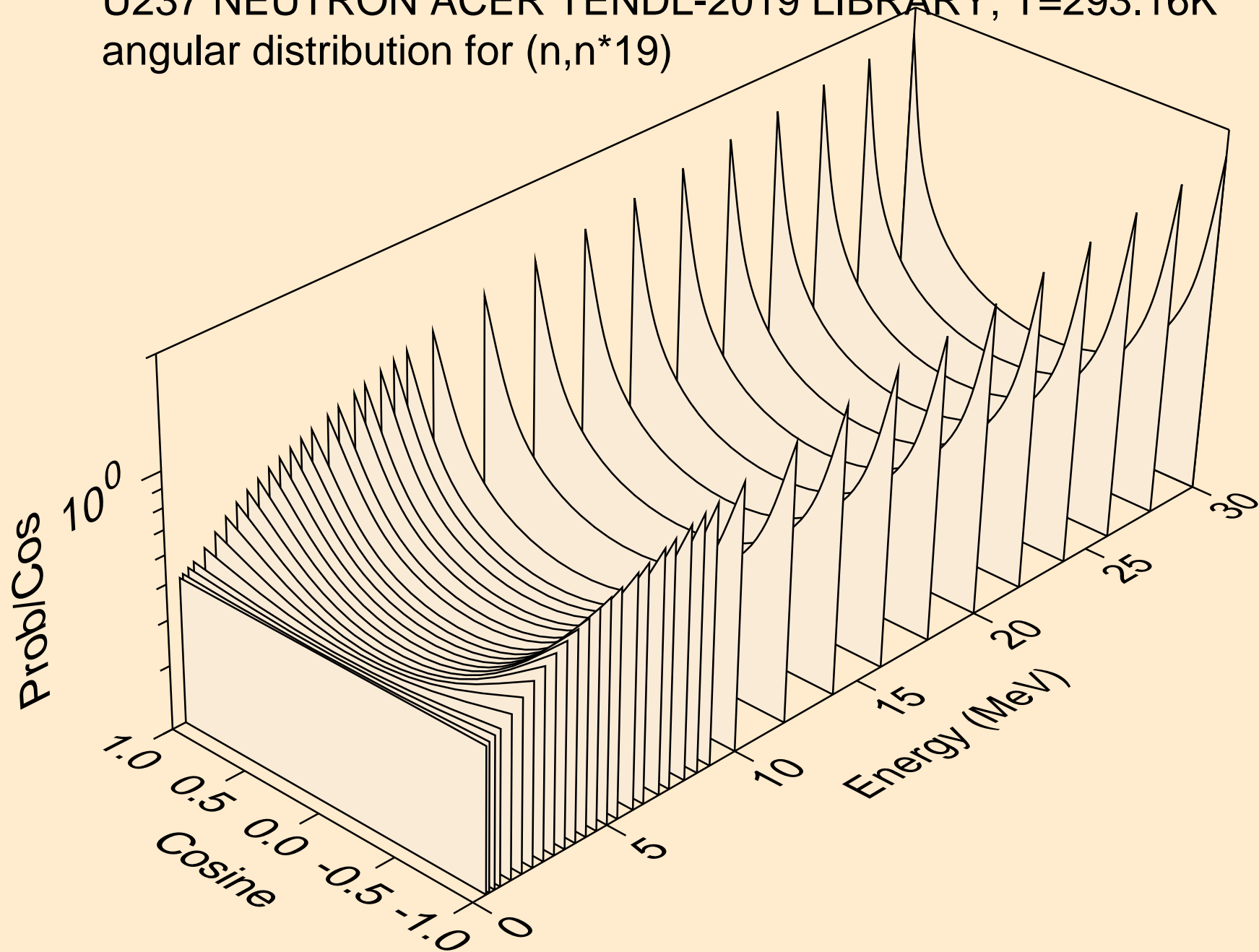
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*17)



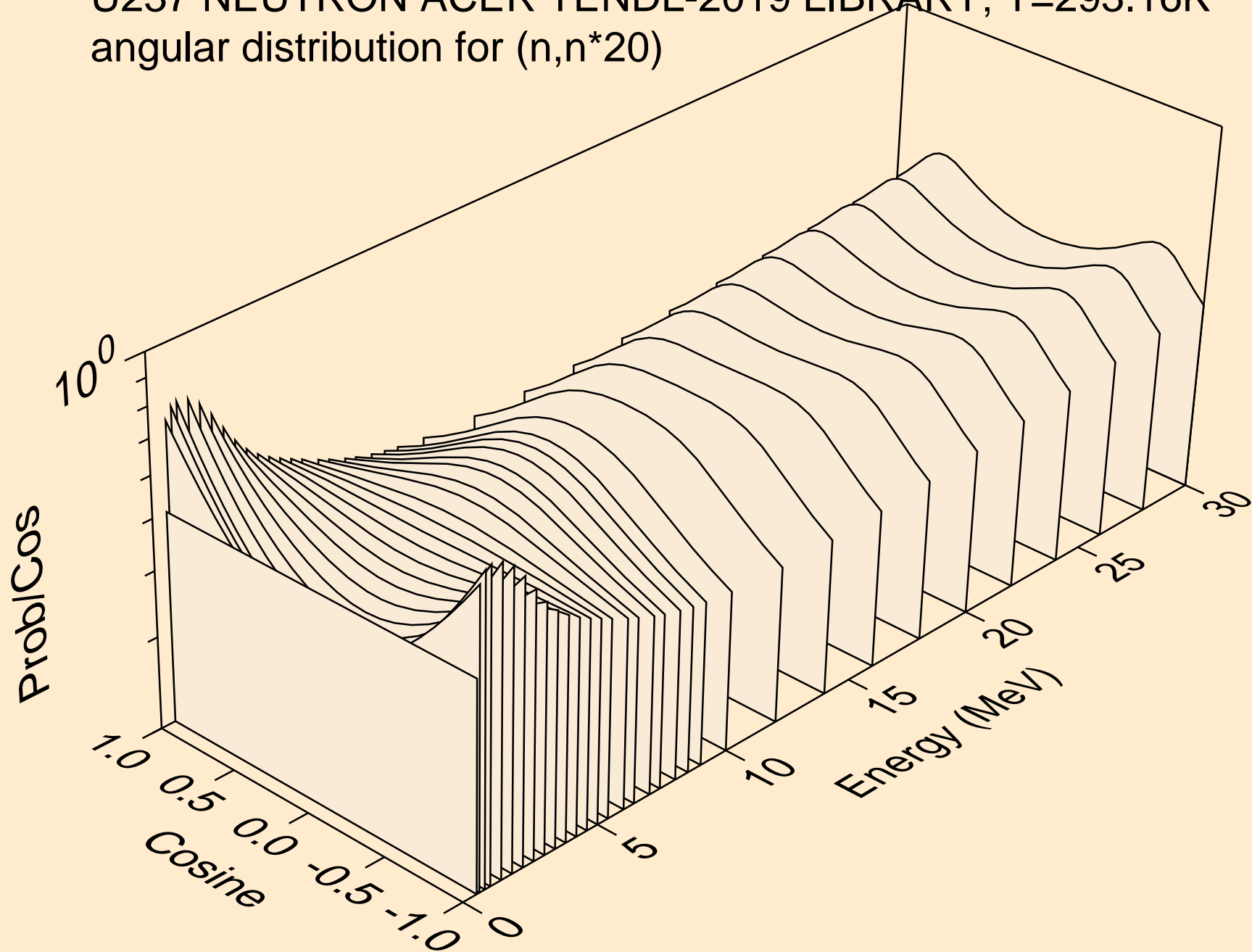
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*18)



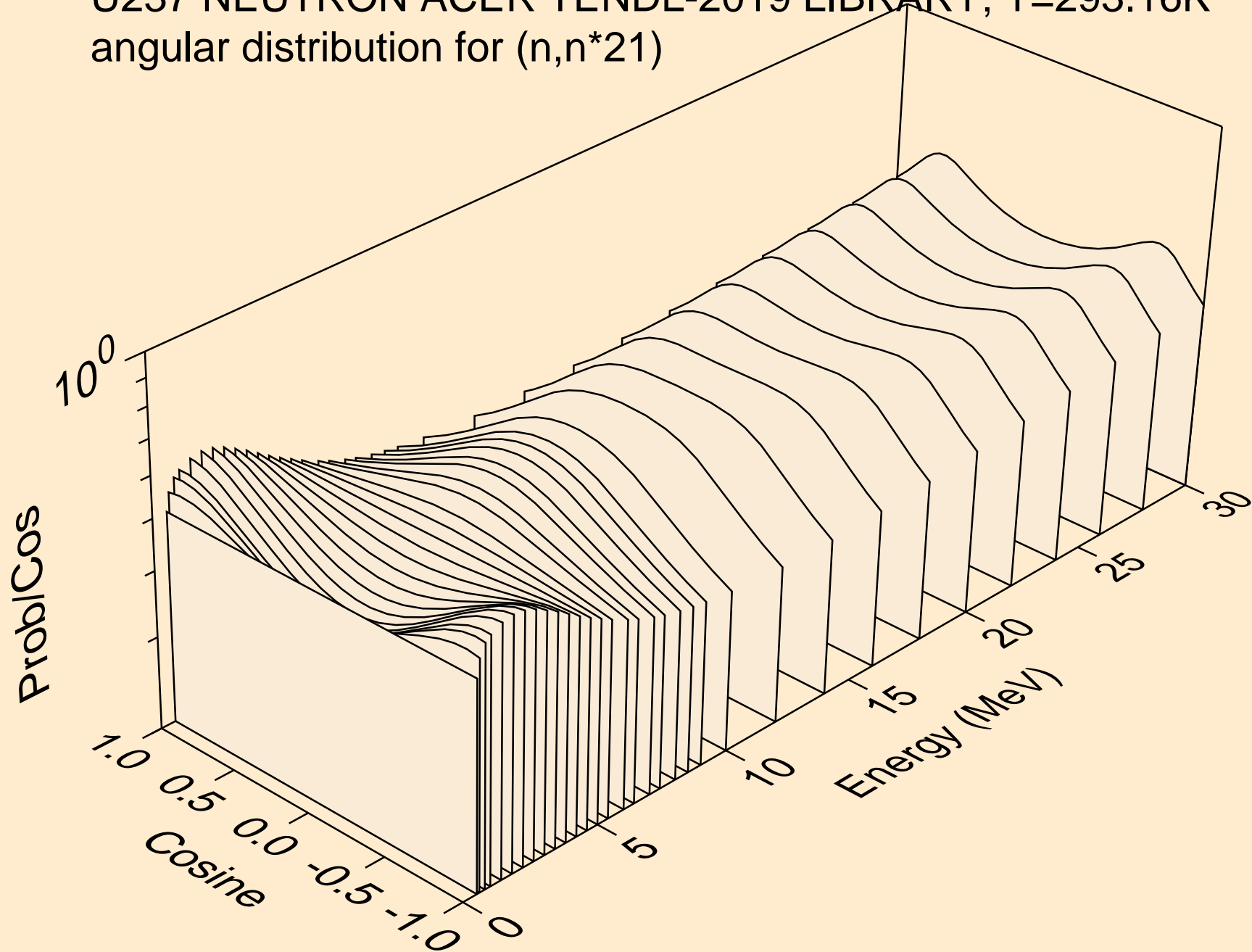
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*19)



U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*20)

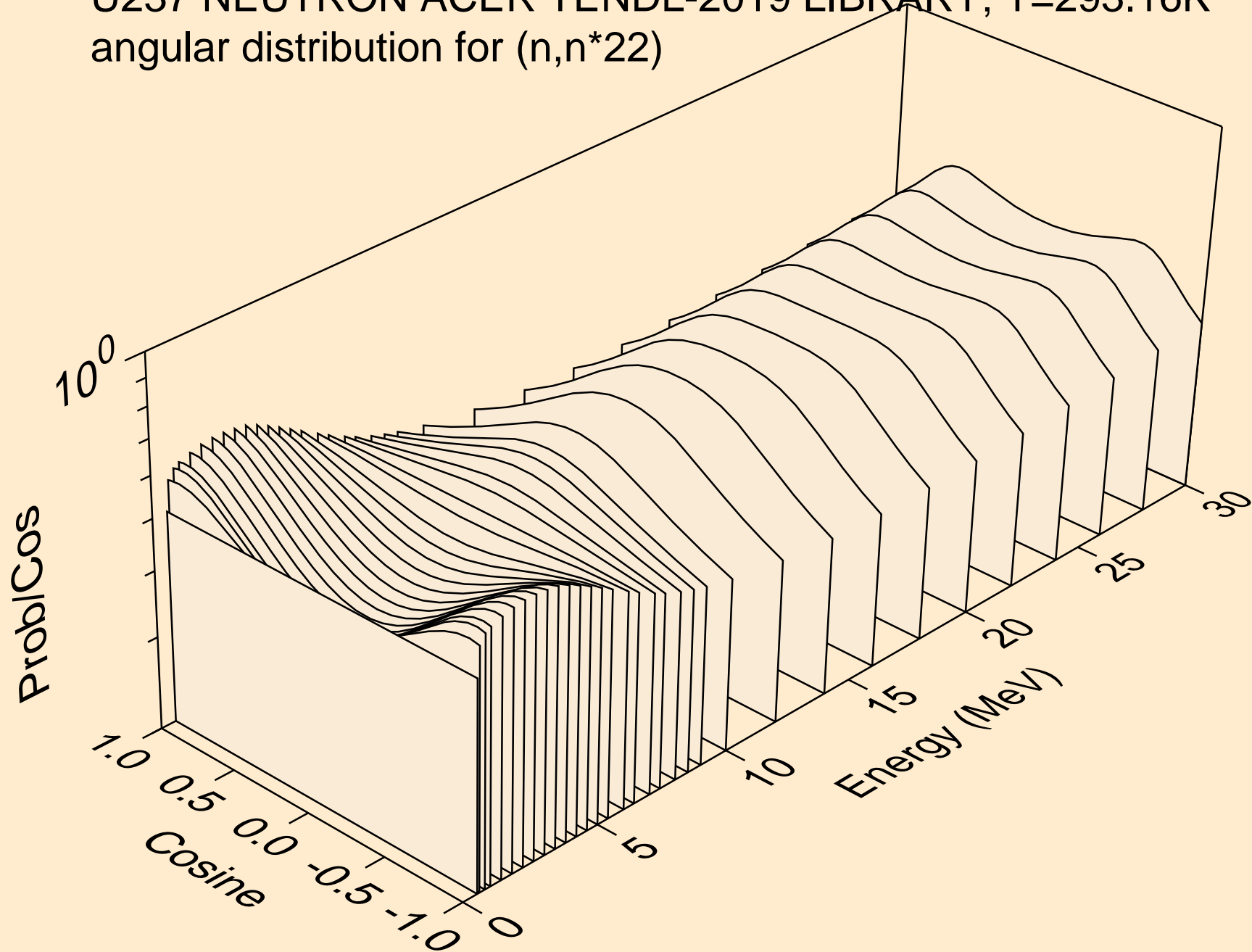


U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*21)

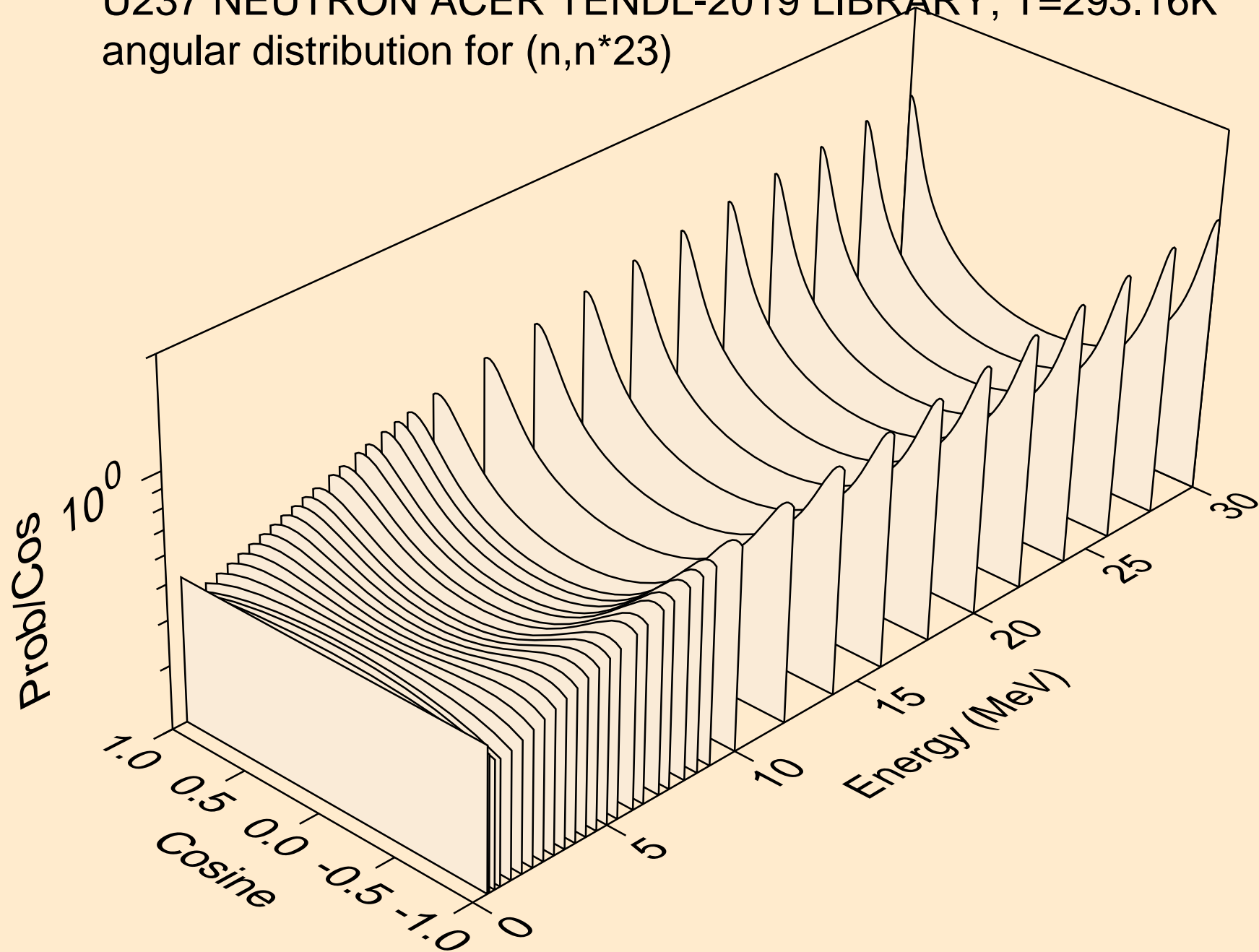




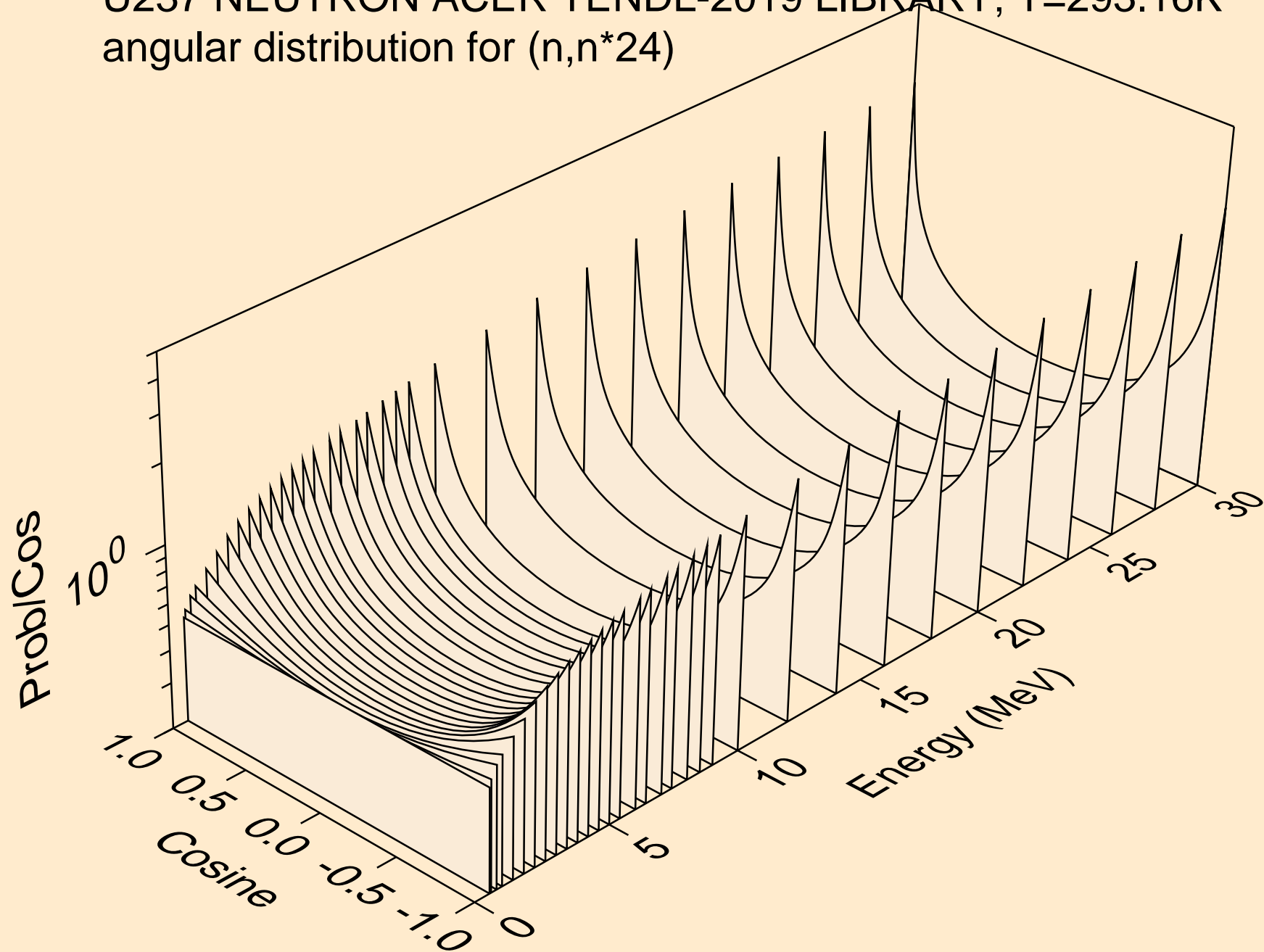
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*22)



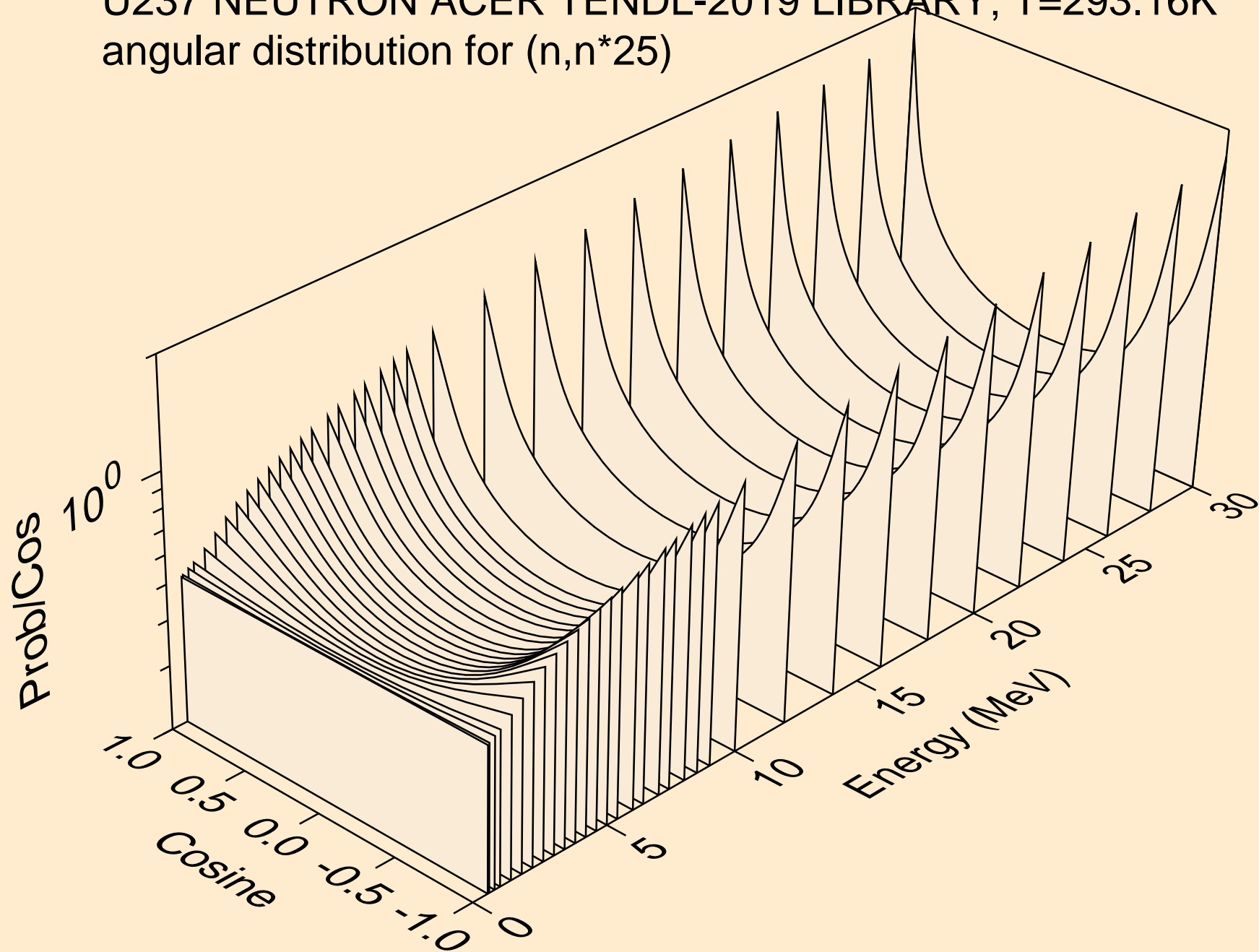
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*23)



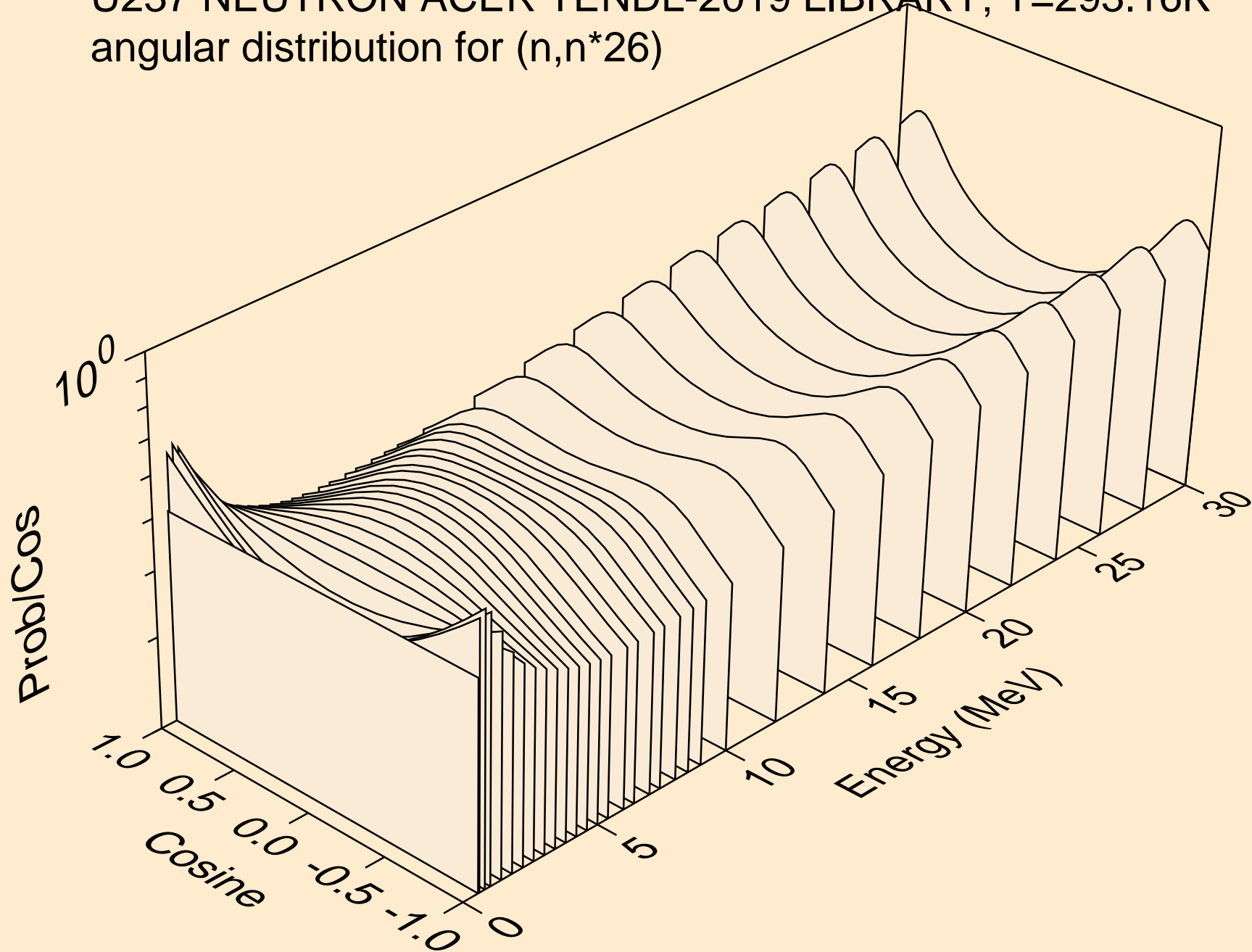
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*24)



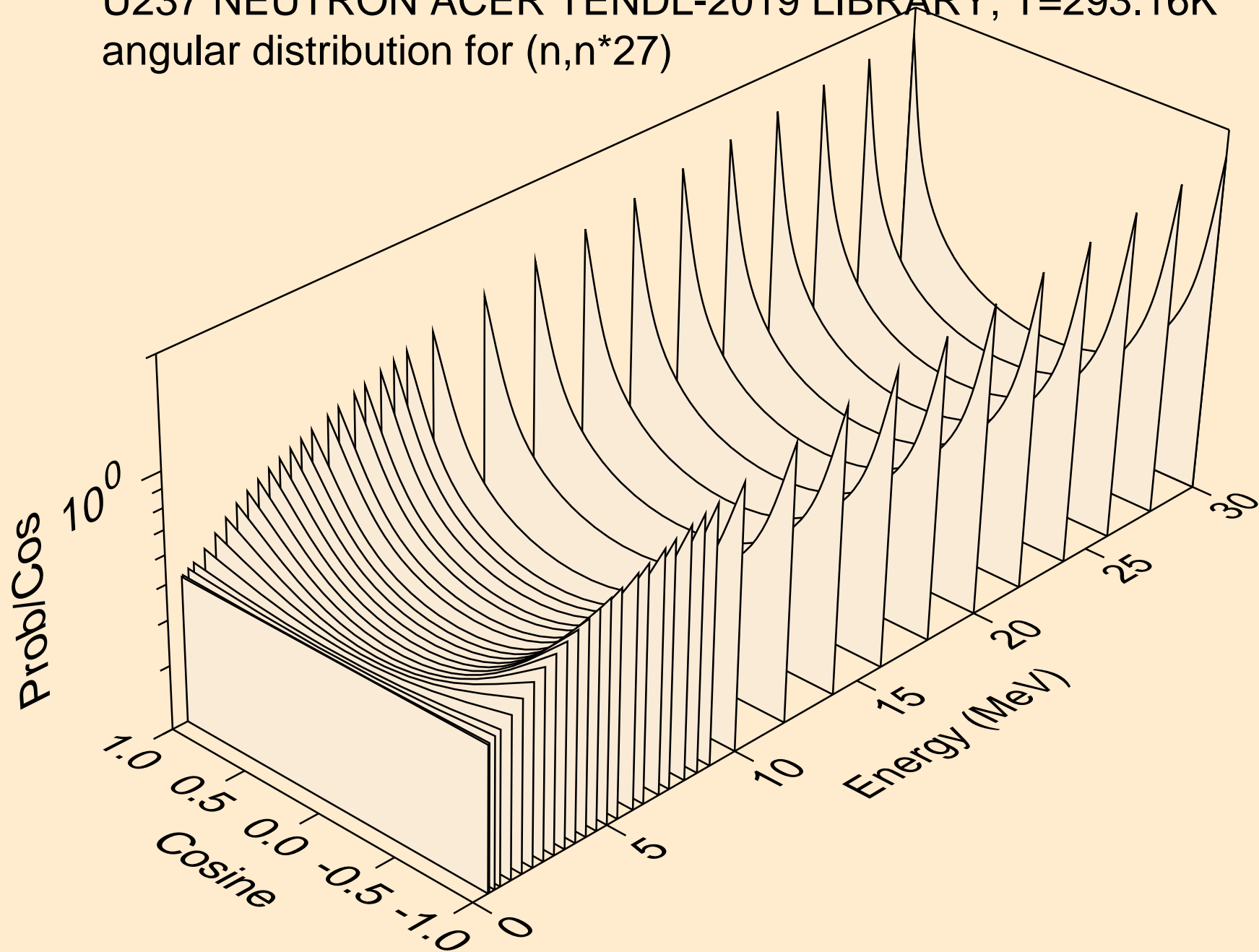
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*25)



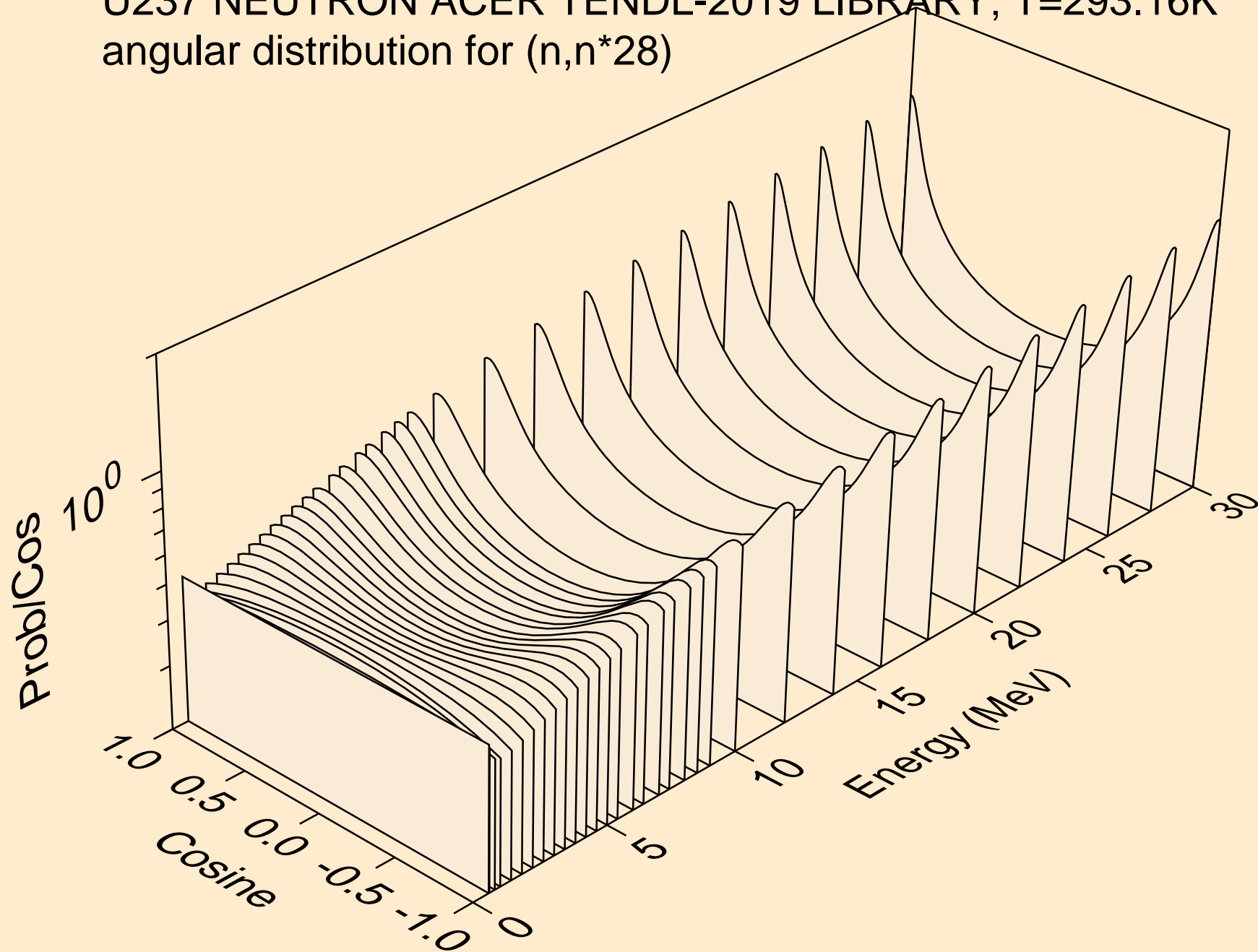
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*26)



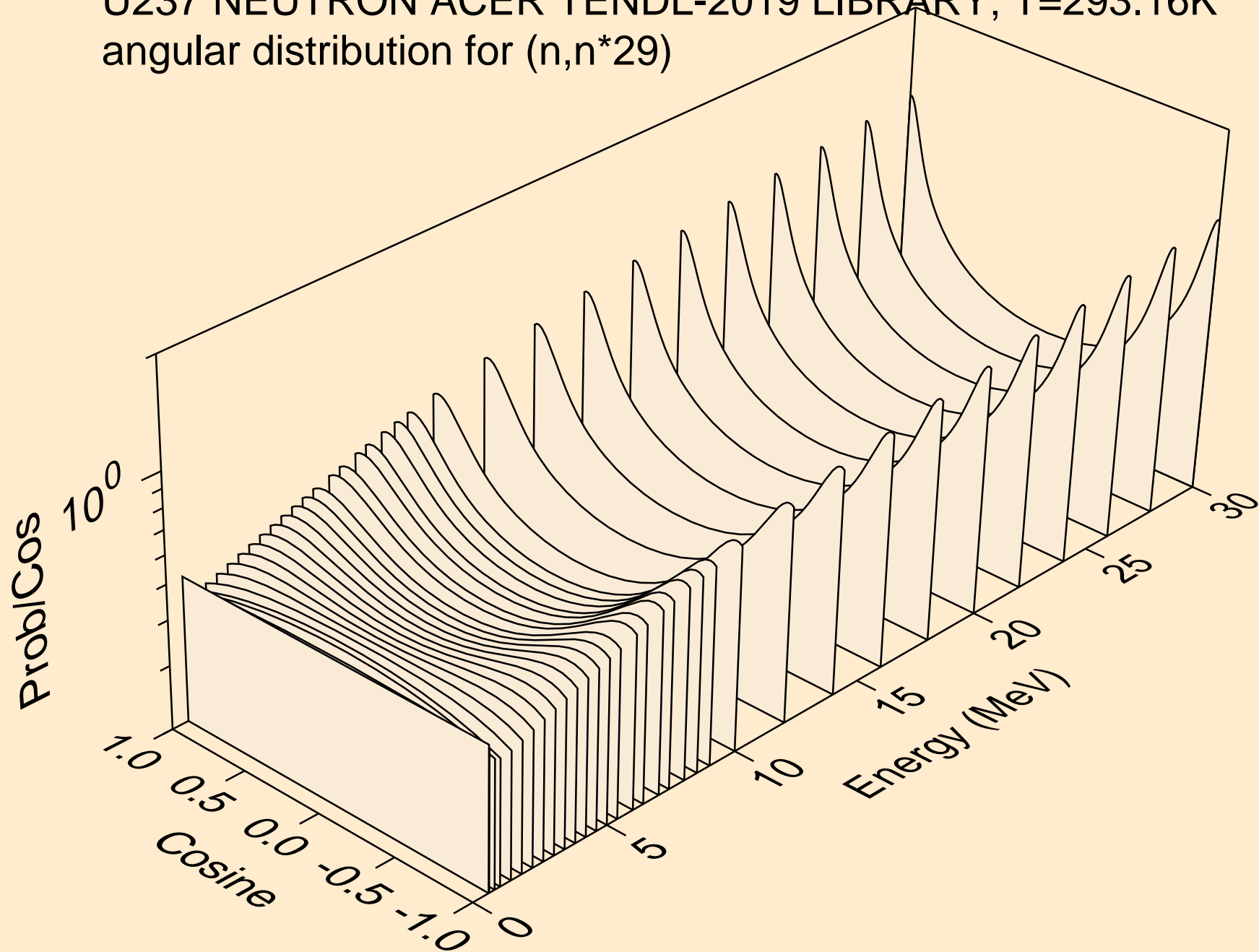
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*27)



U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*28)

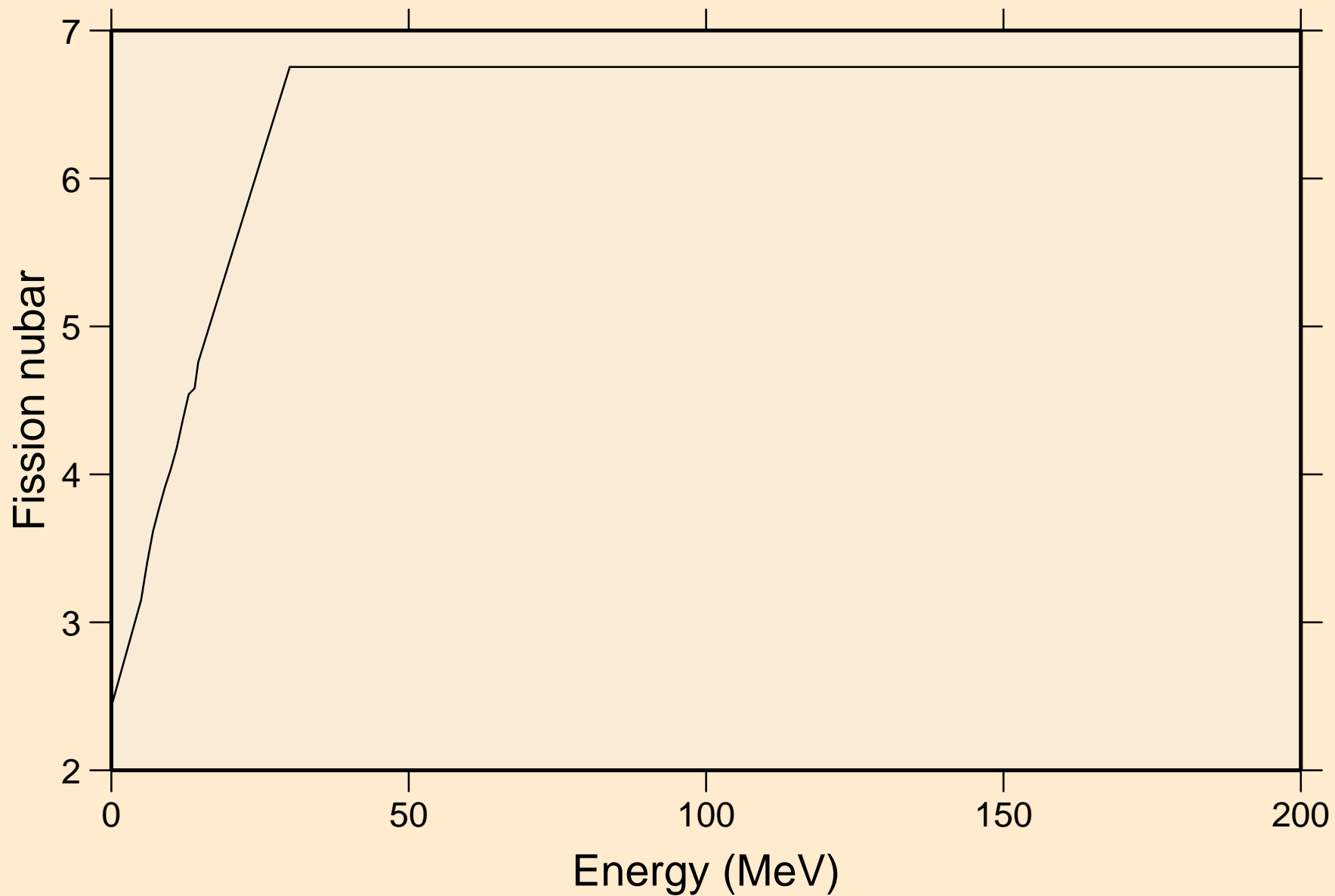


U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*29)

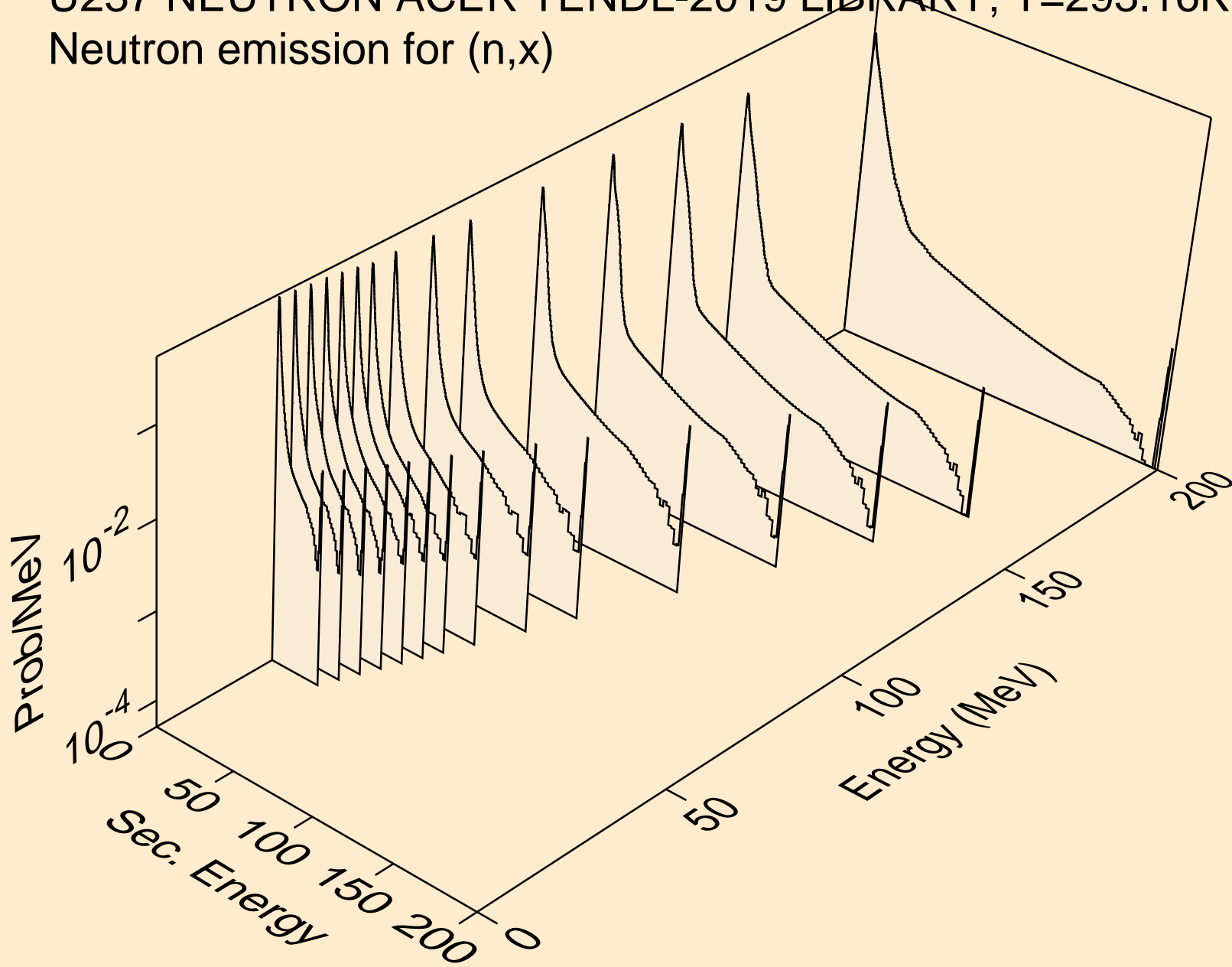




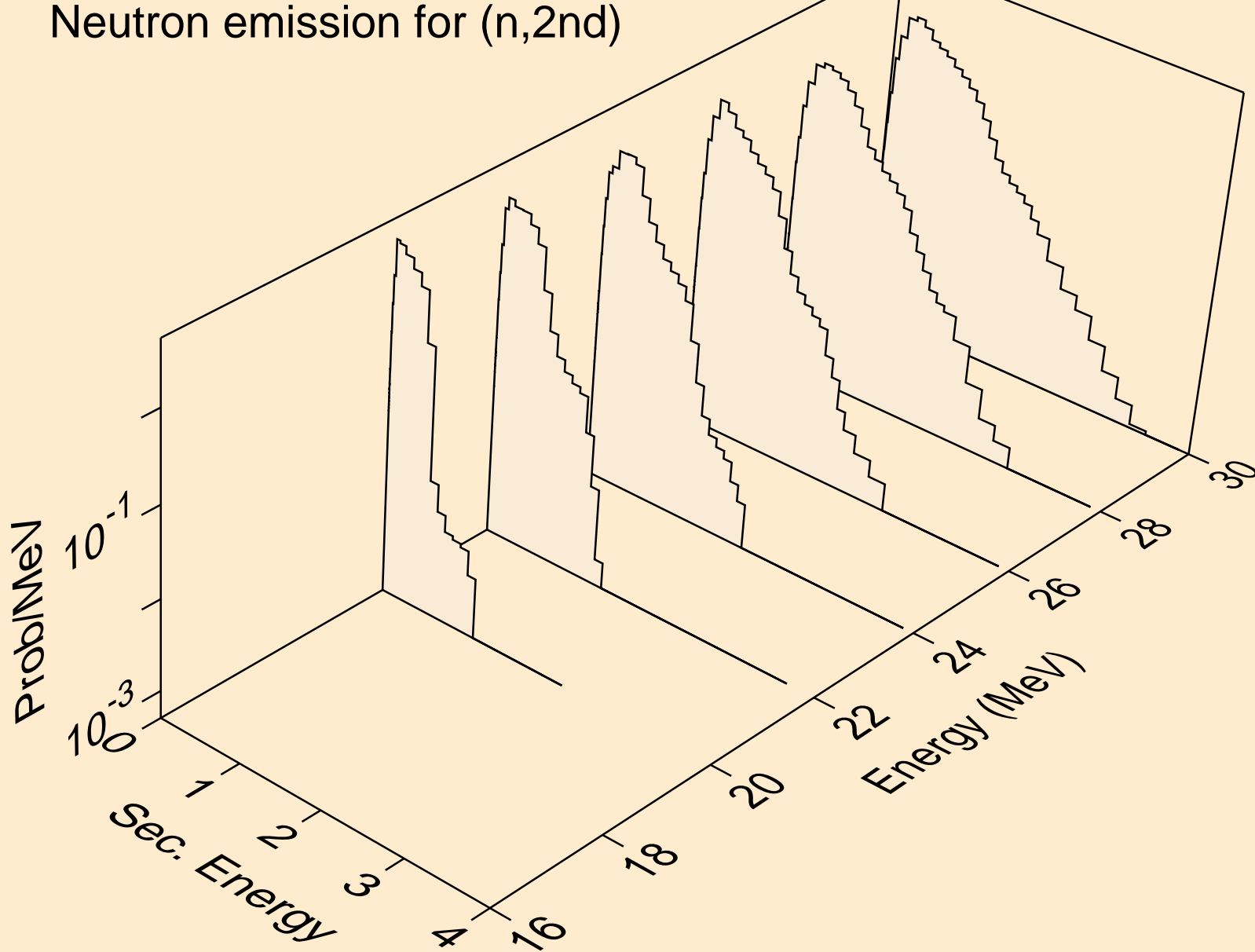
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Total fission nubar



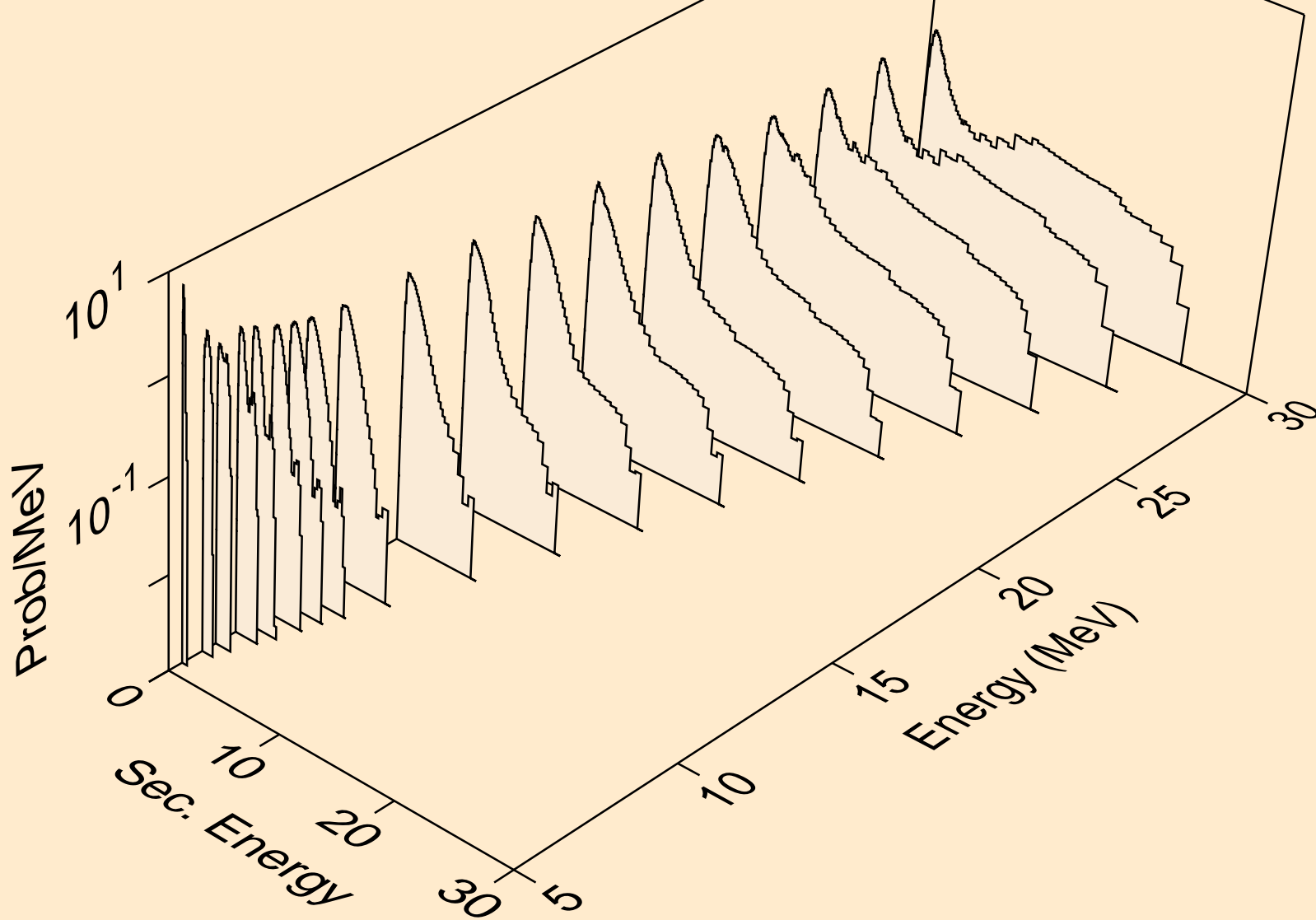
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



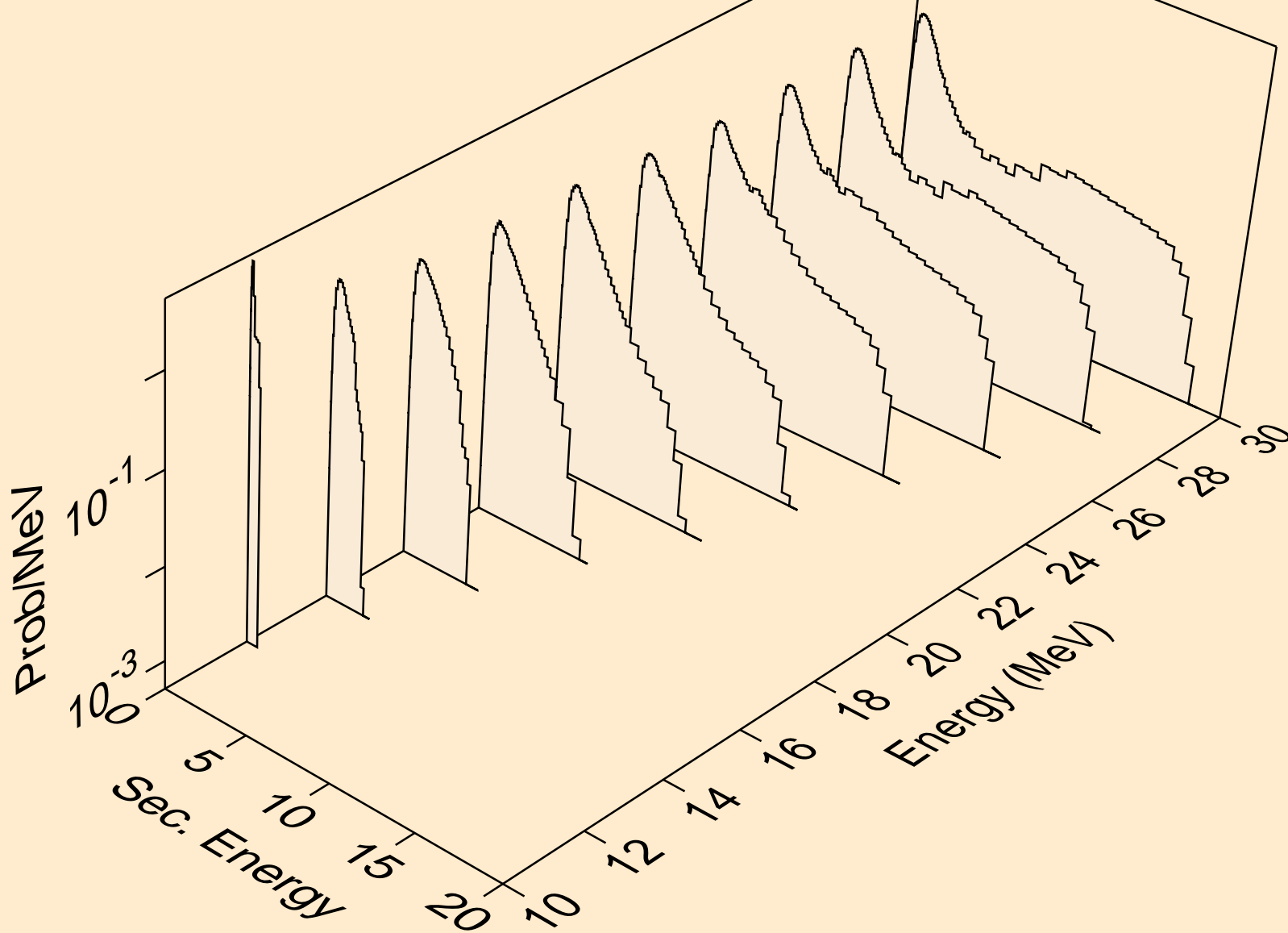
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



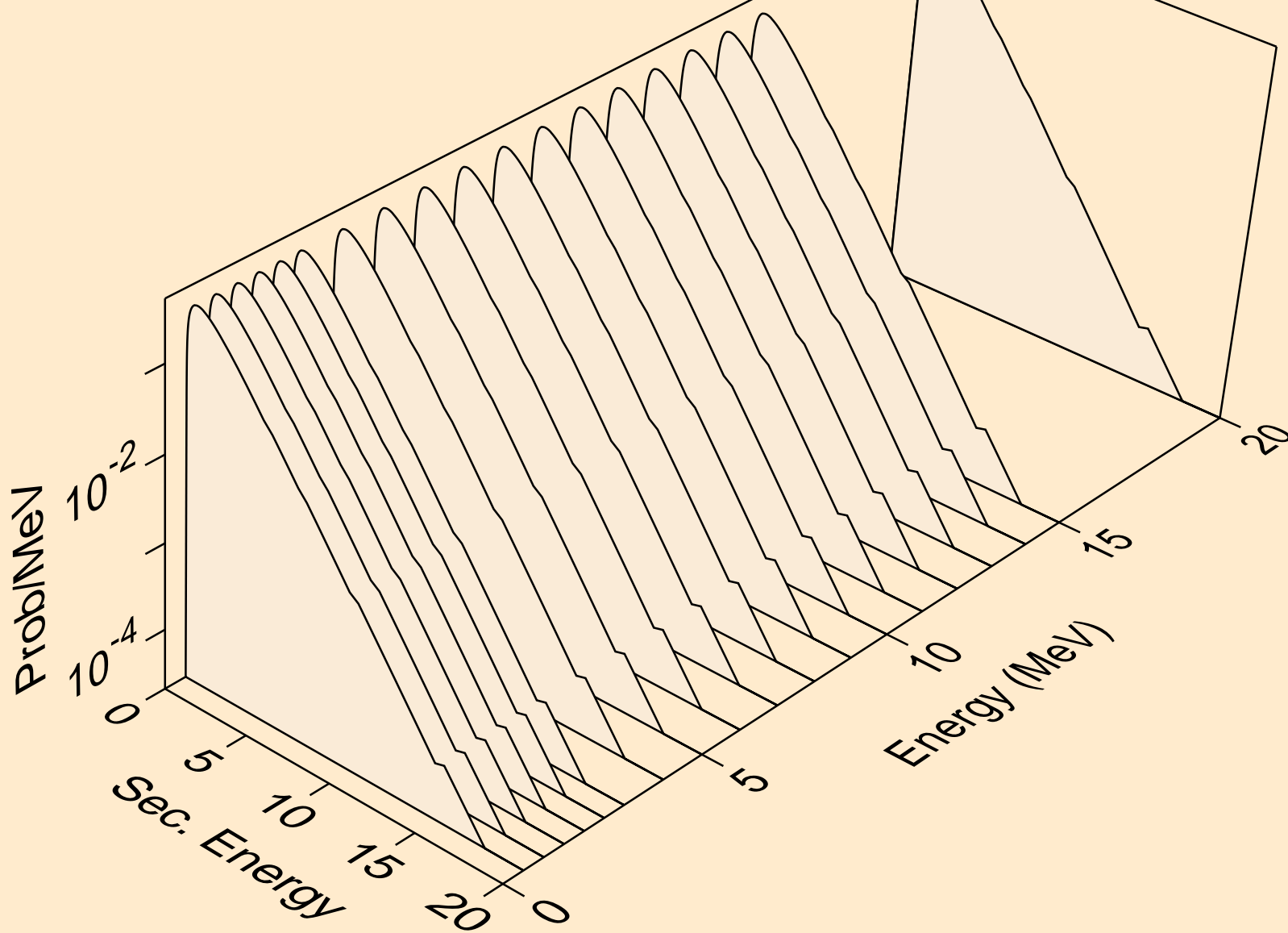
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



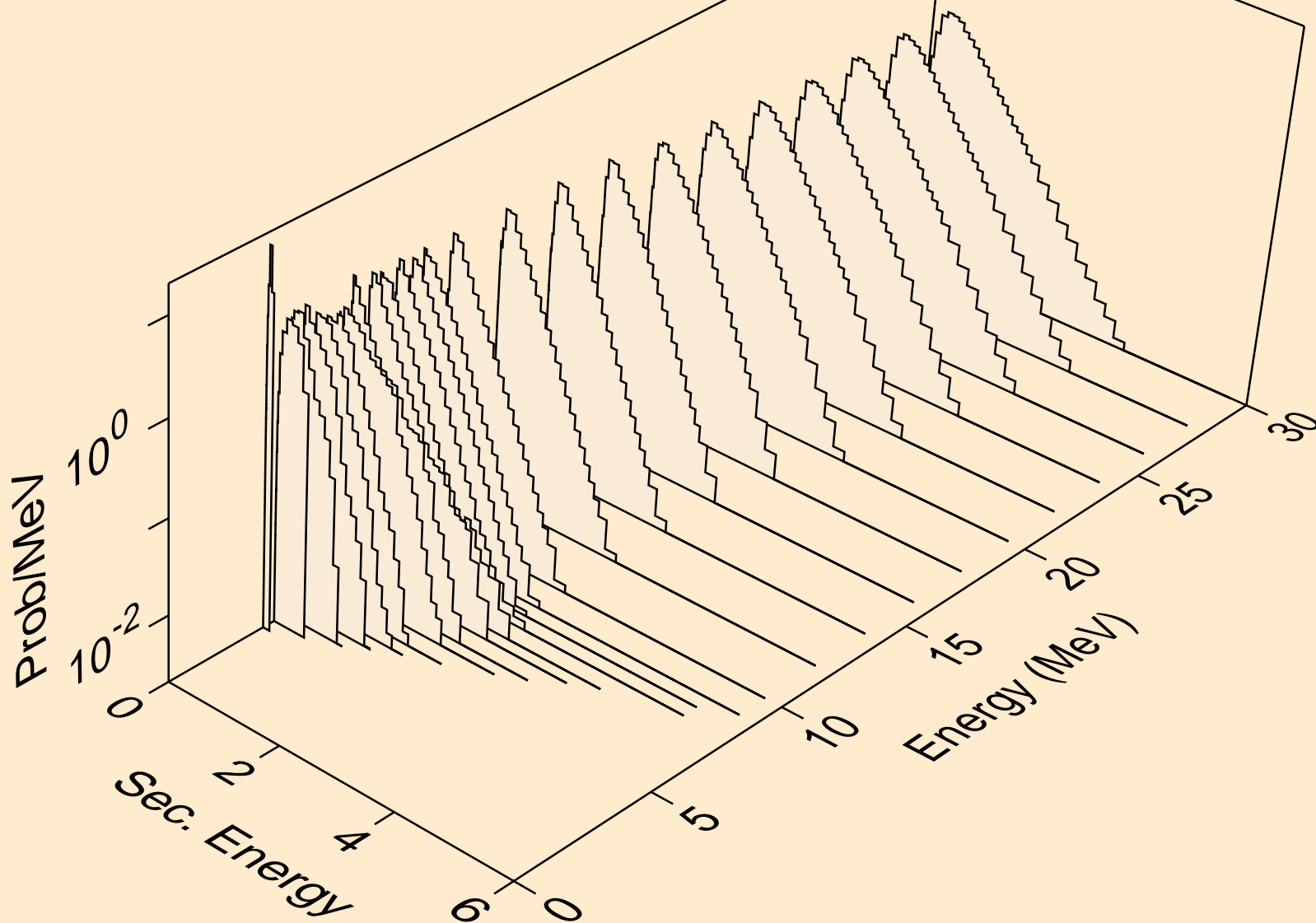
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)



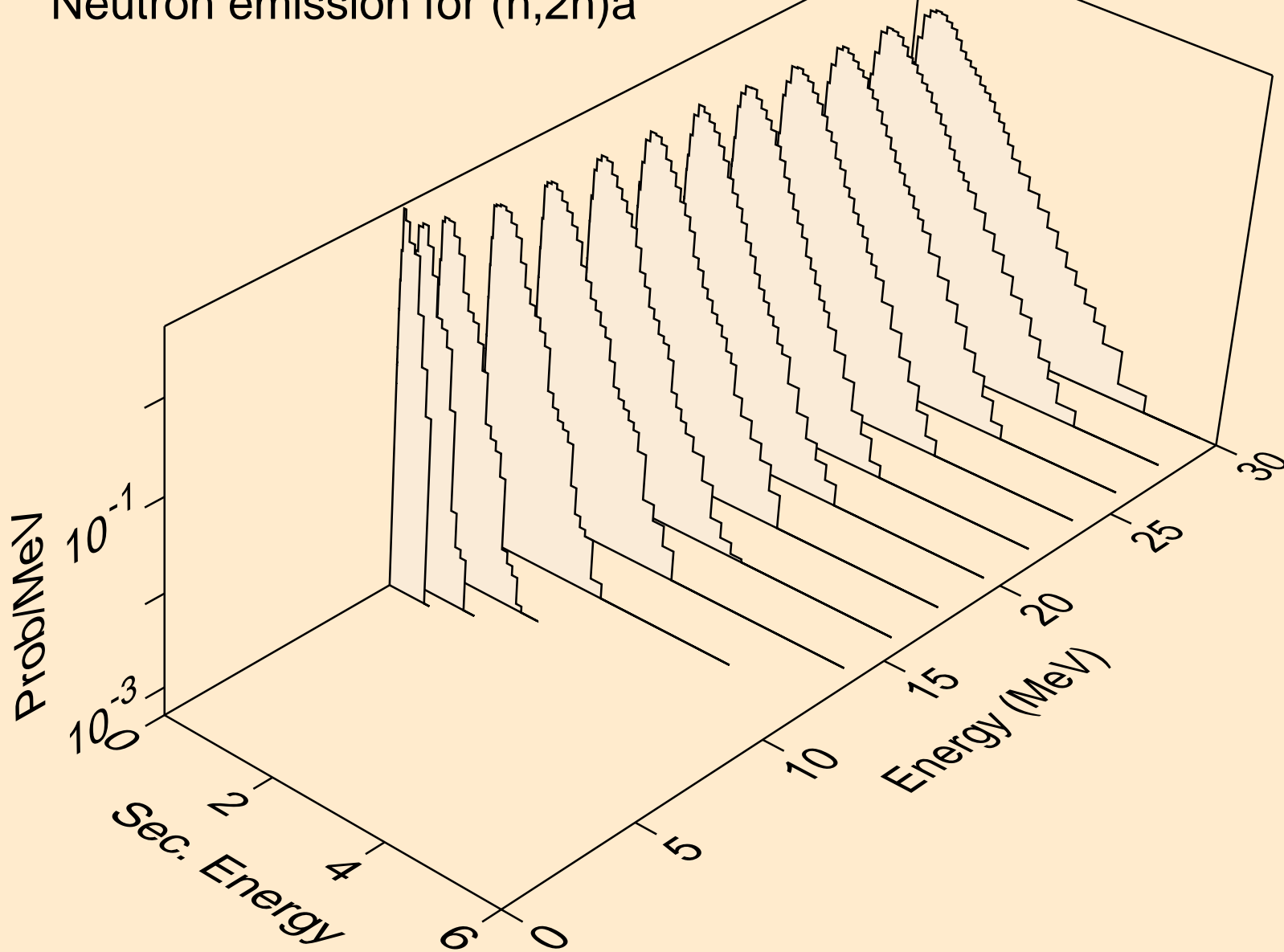
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for fission



U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a

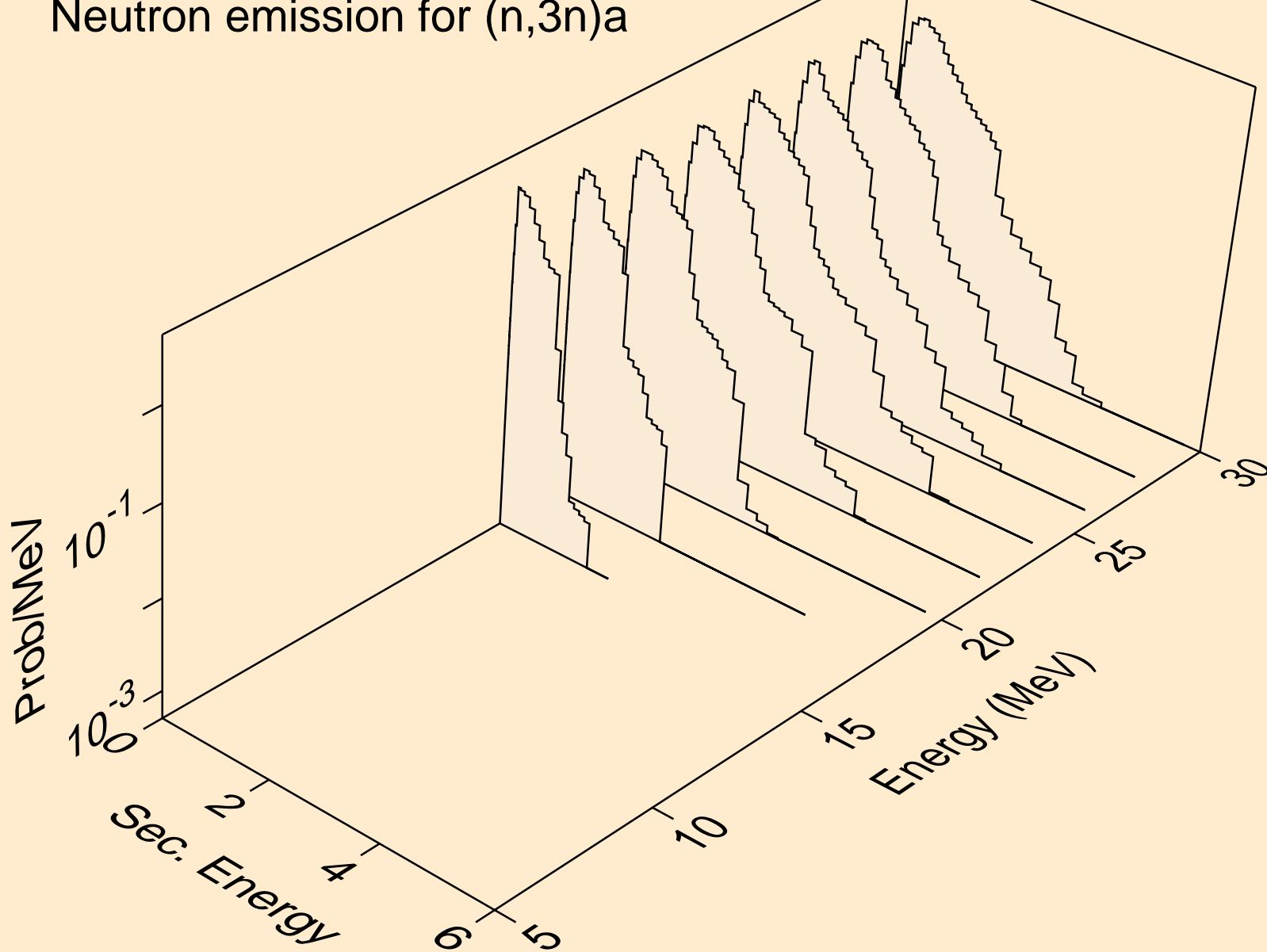


U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)<sub>a</sub>

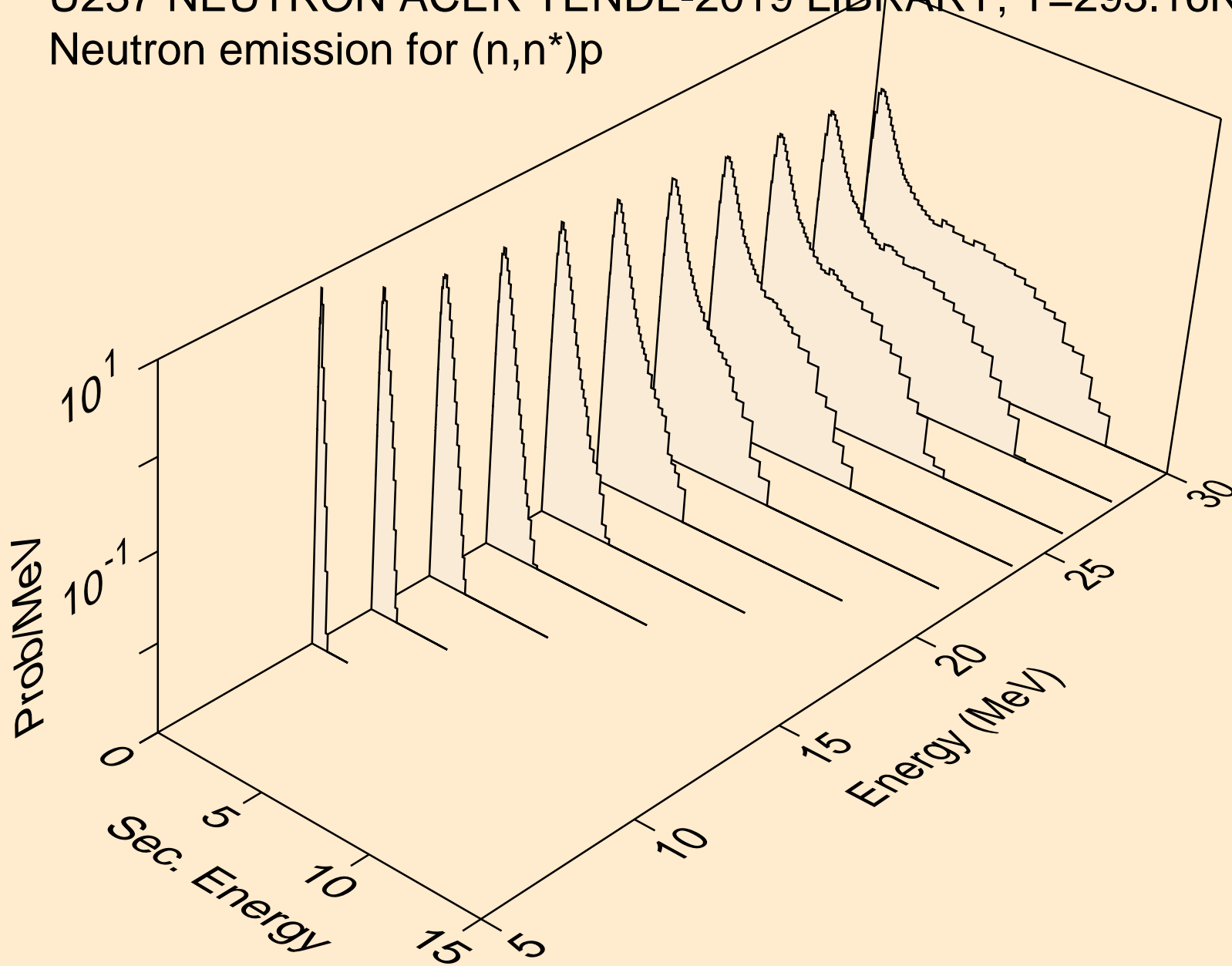




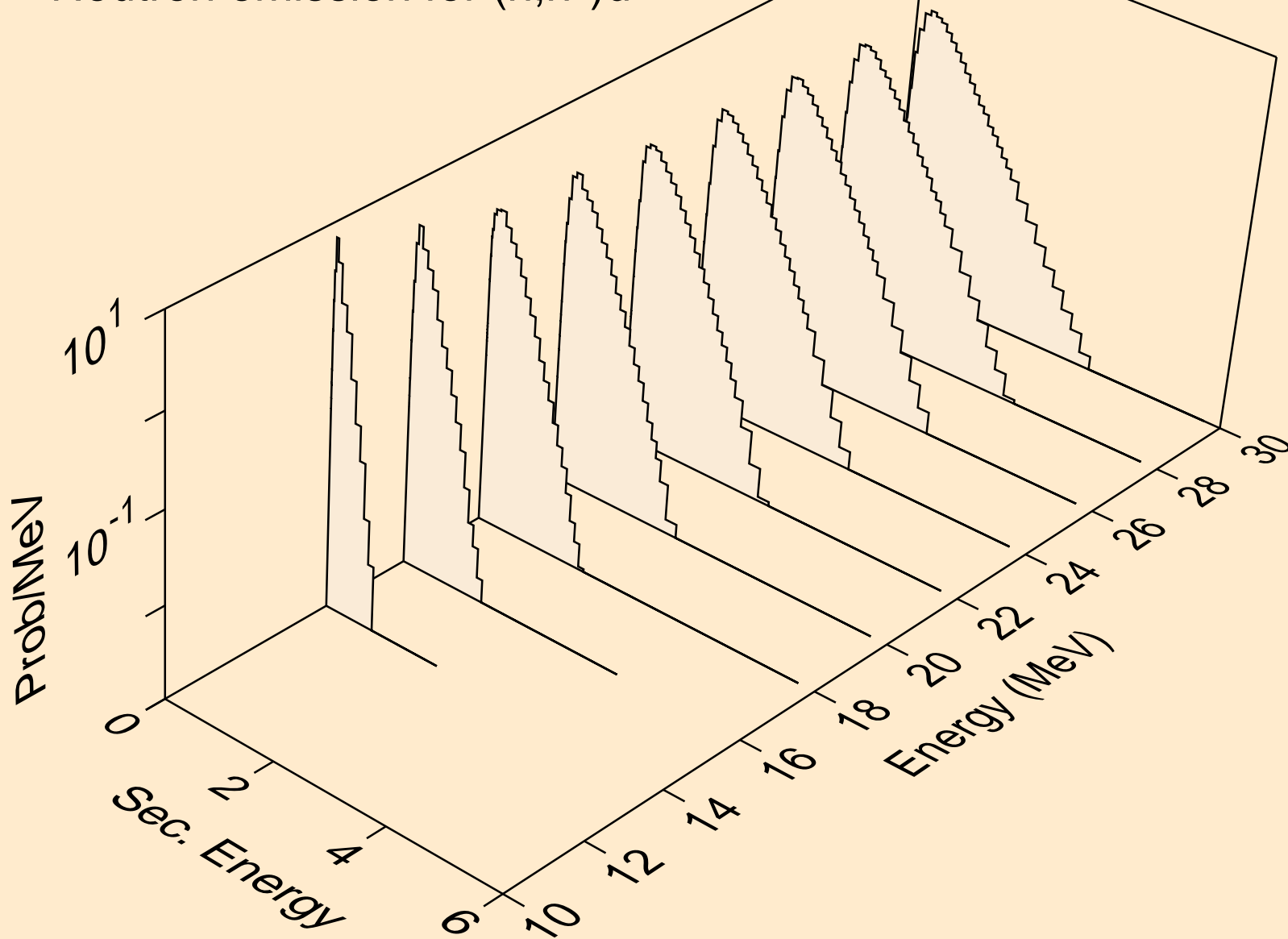
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



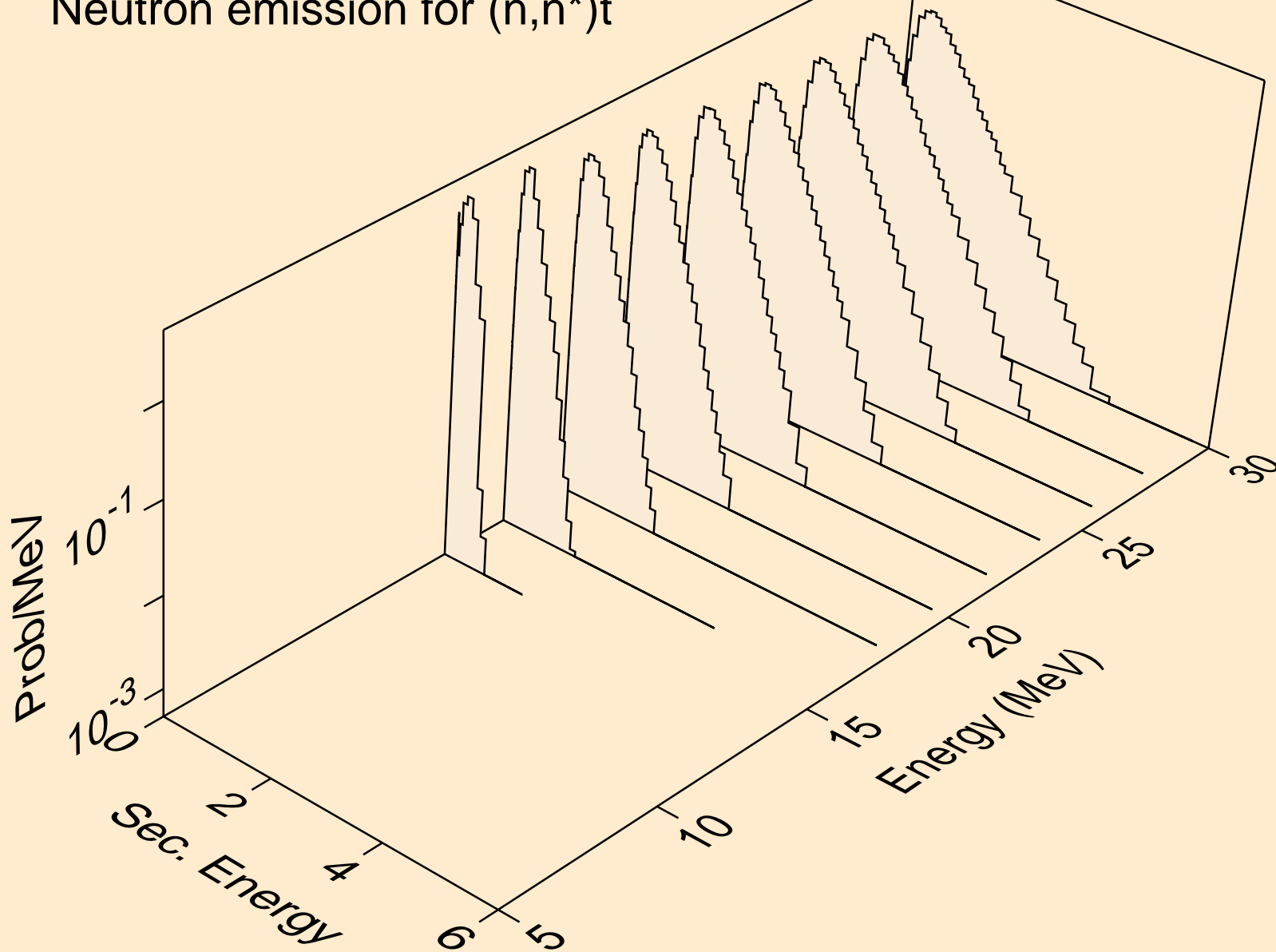
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



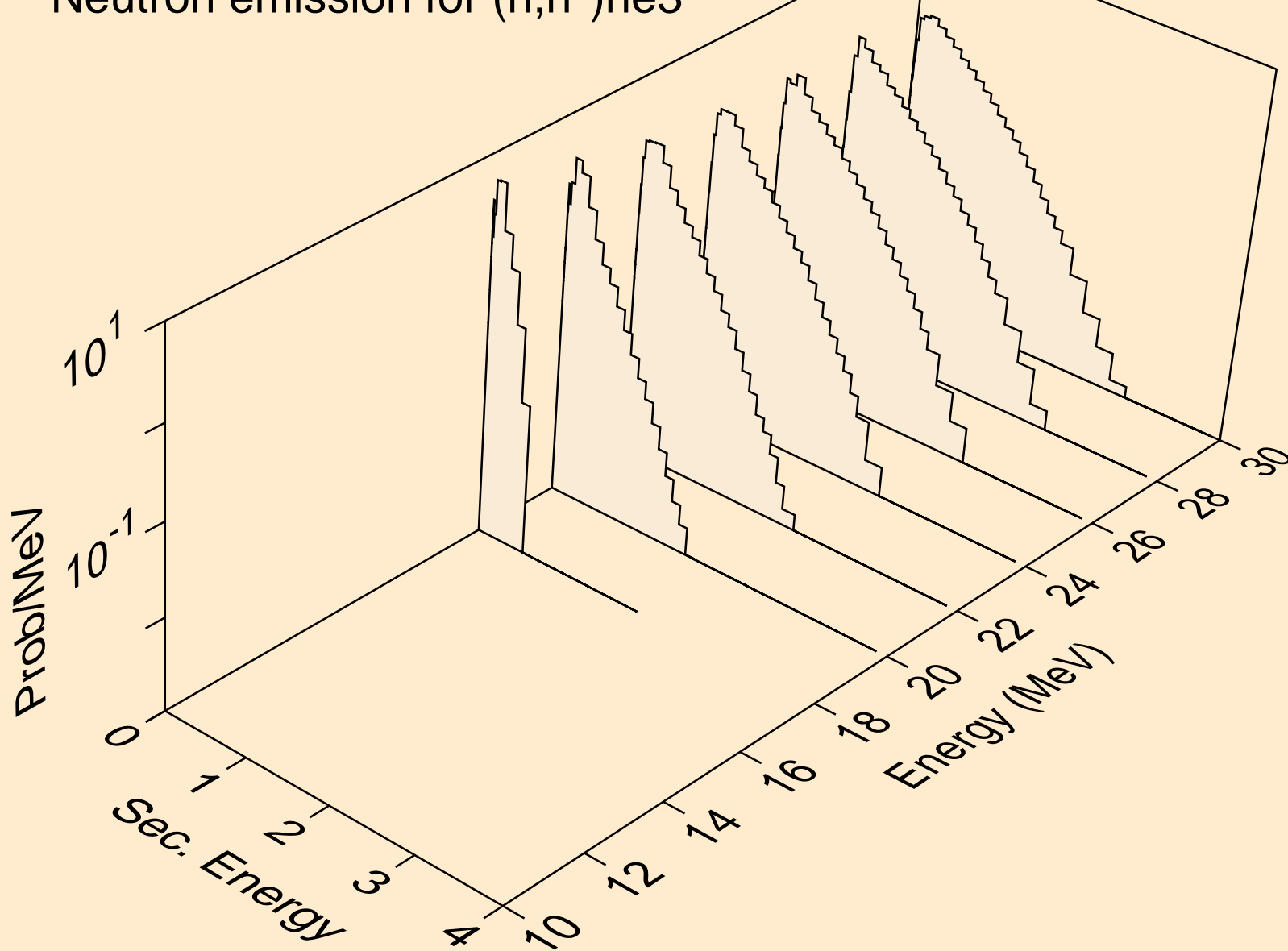
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



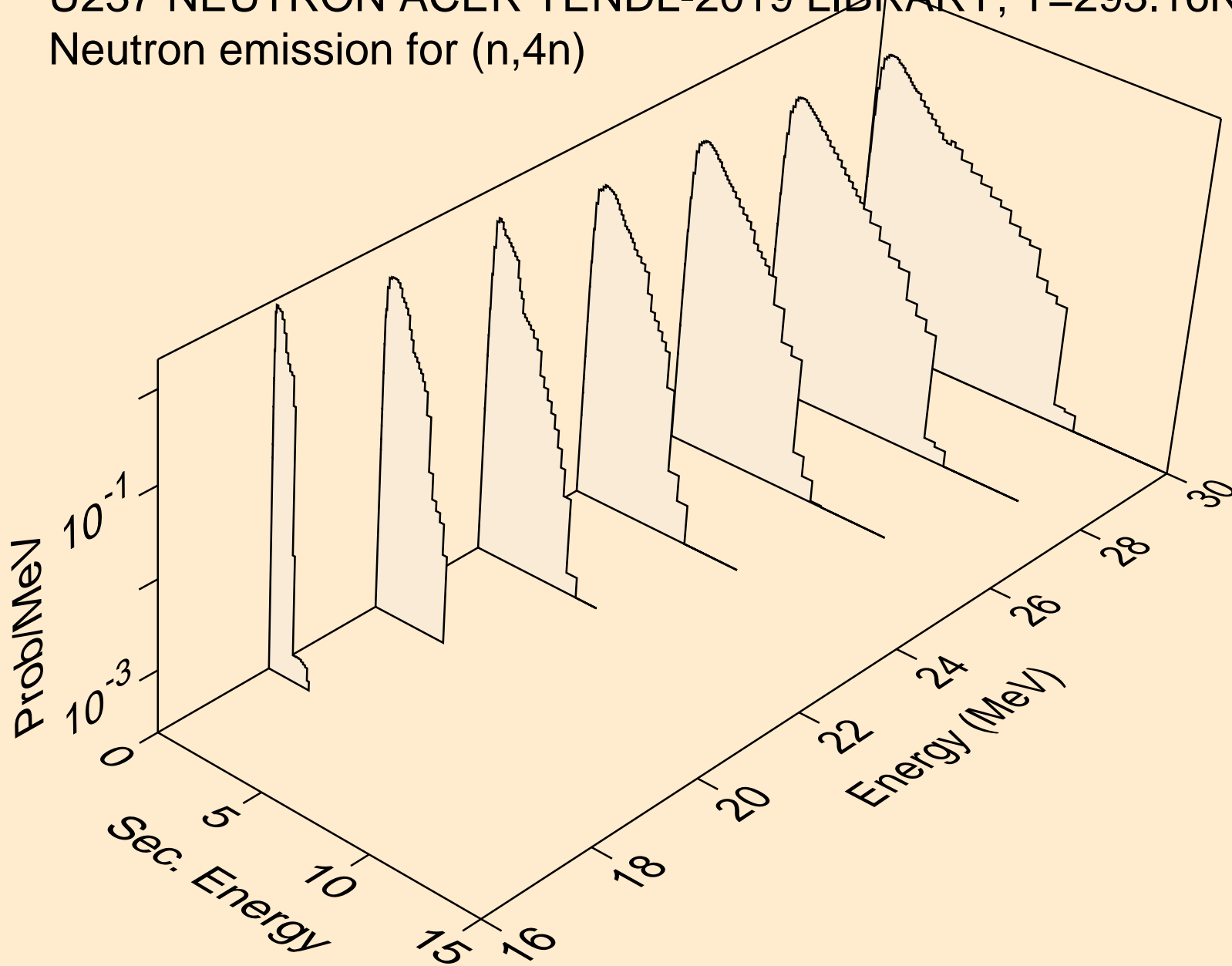
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



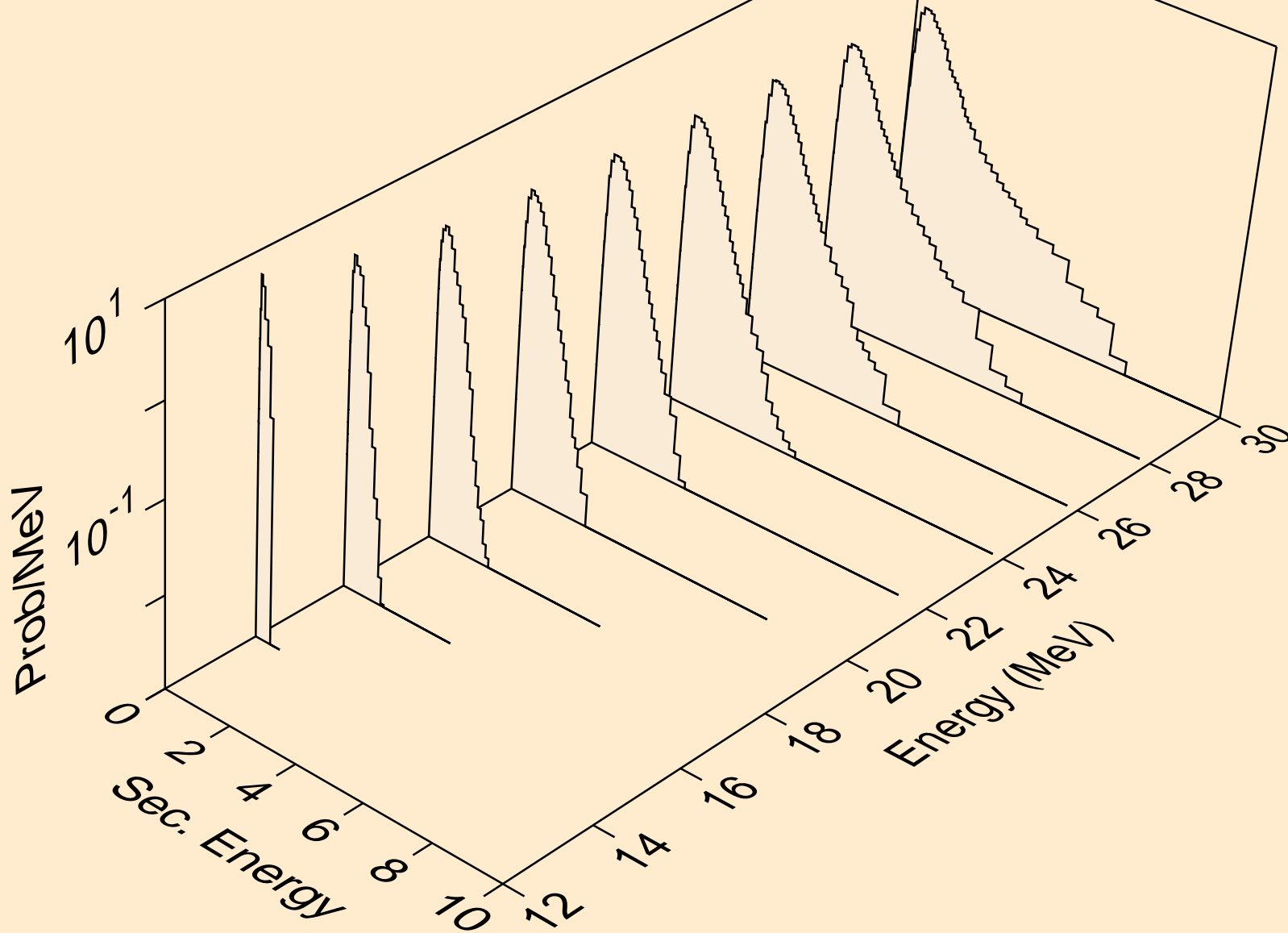
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



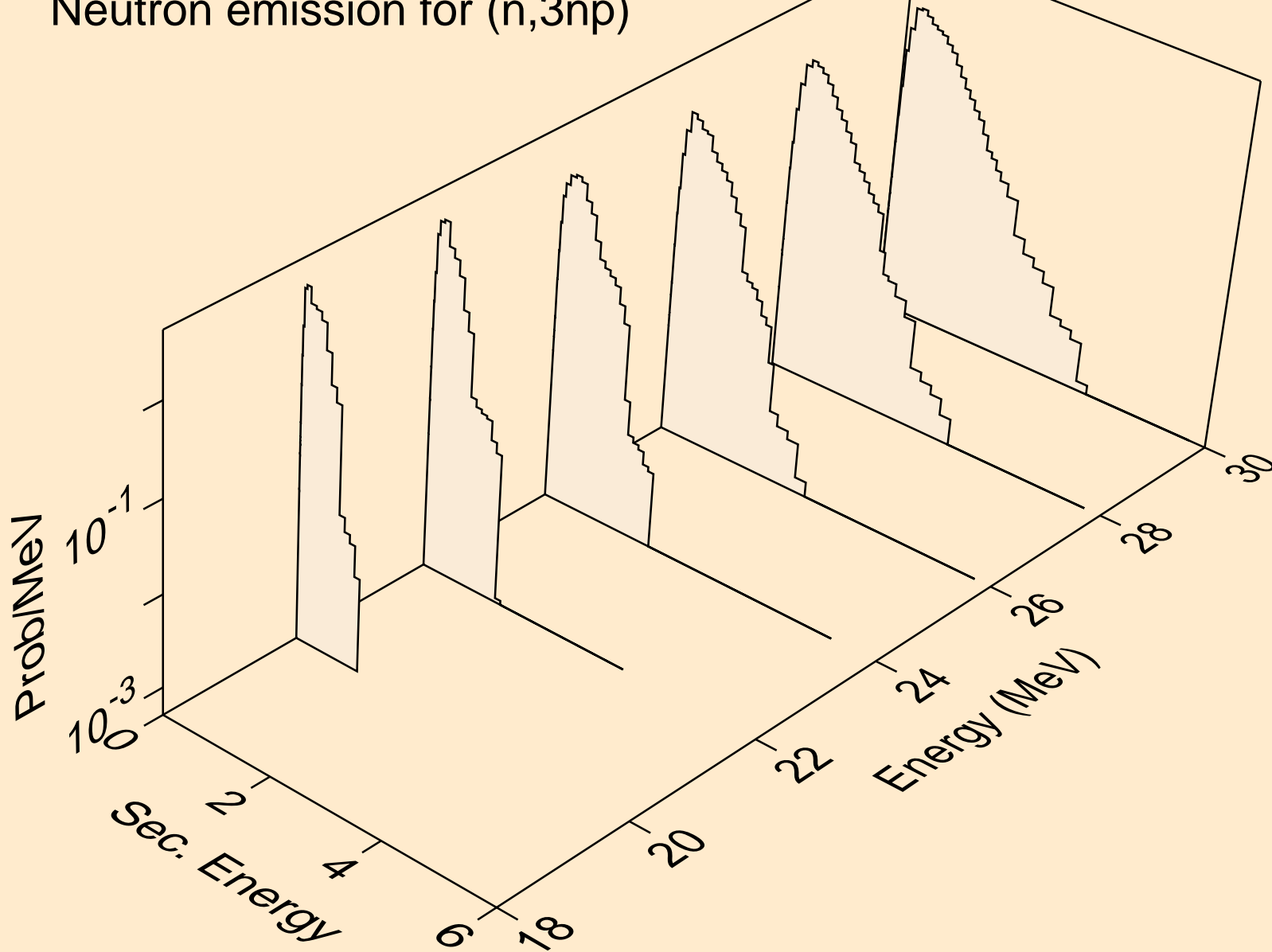
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)



U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)

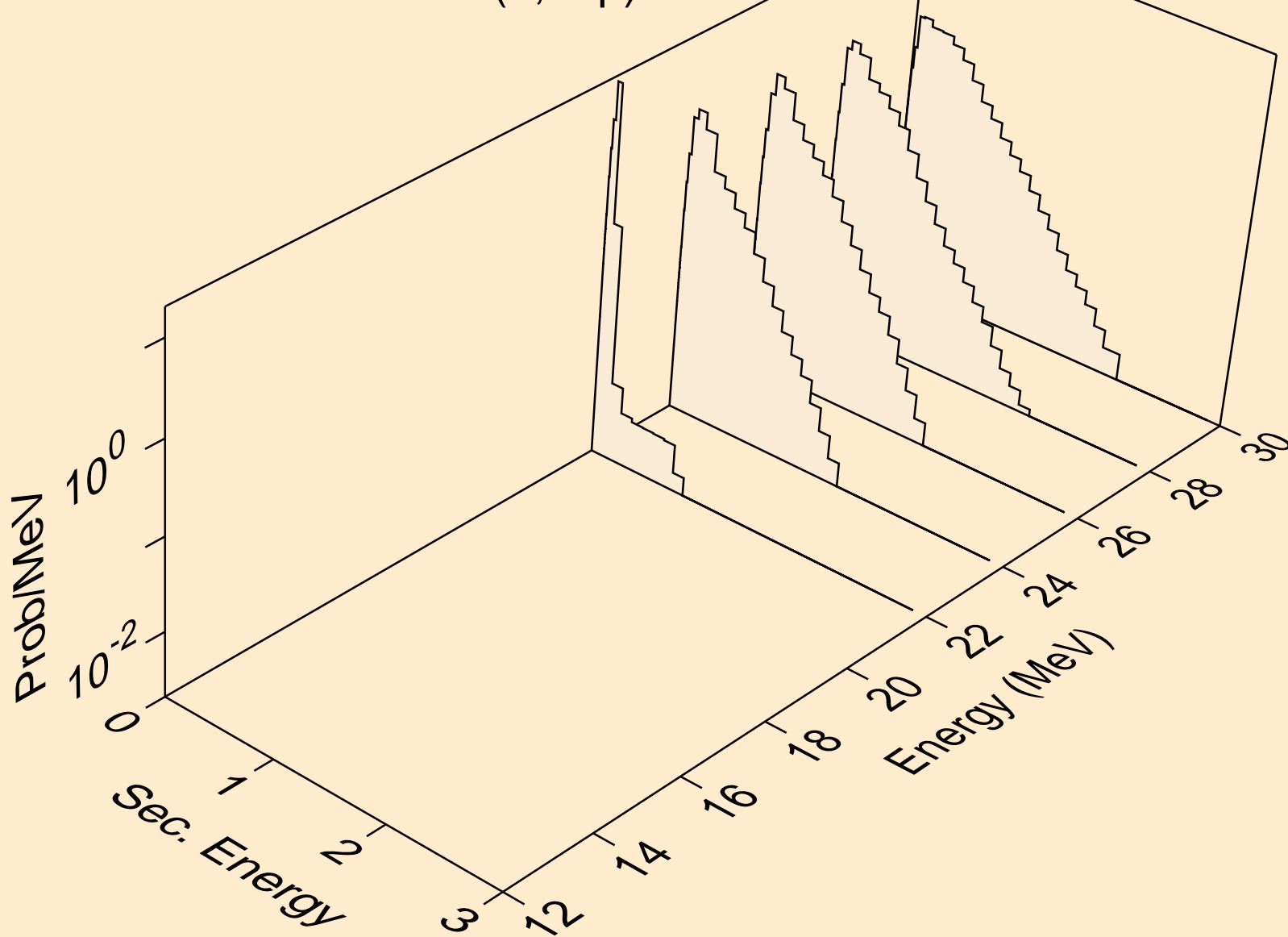


U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)

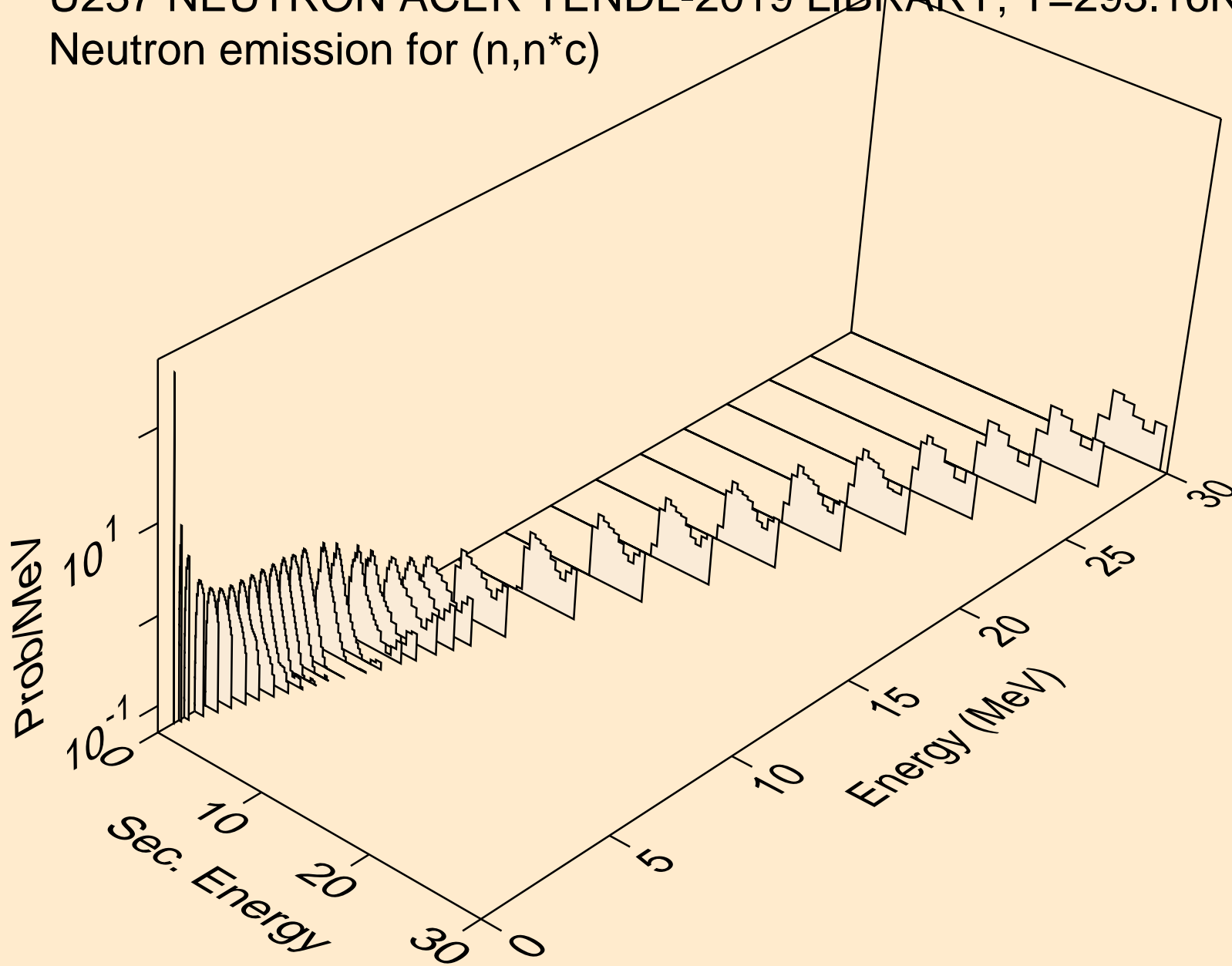




U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)

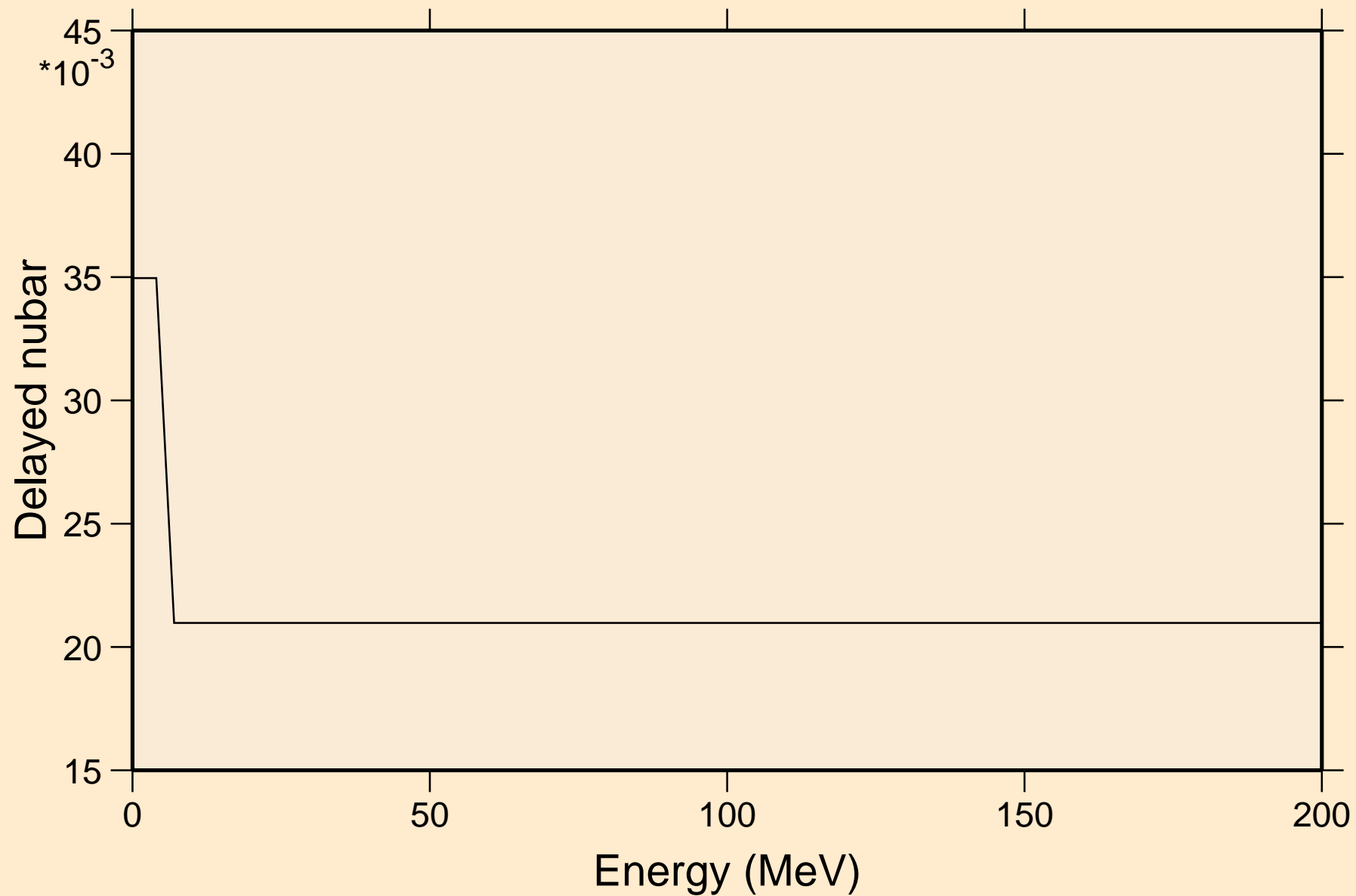


U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)



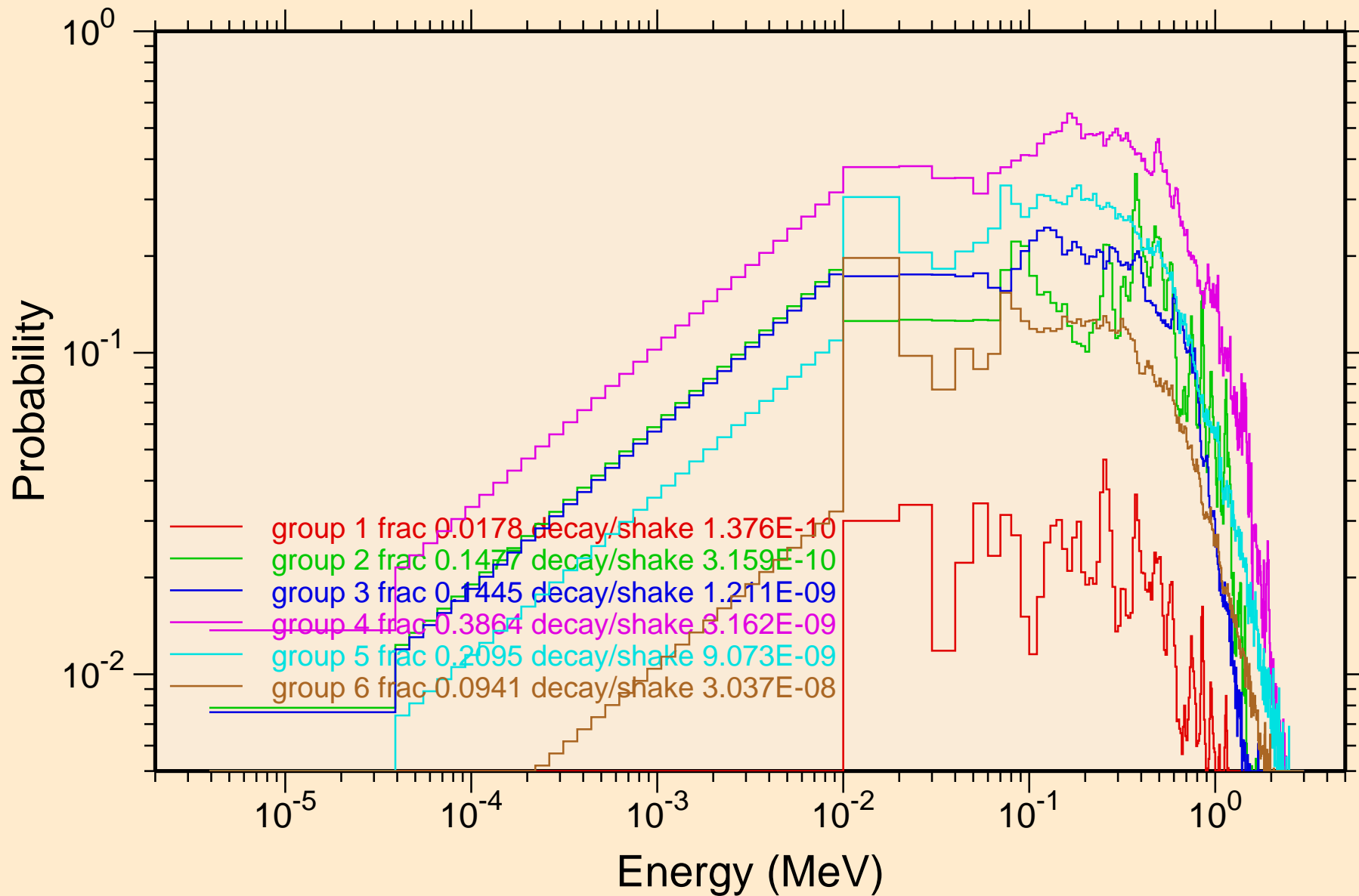
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Delayed nubar

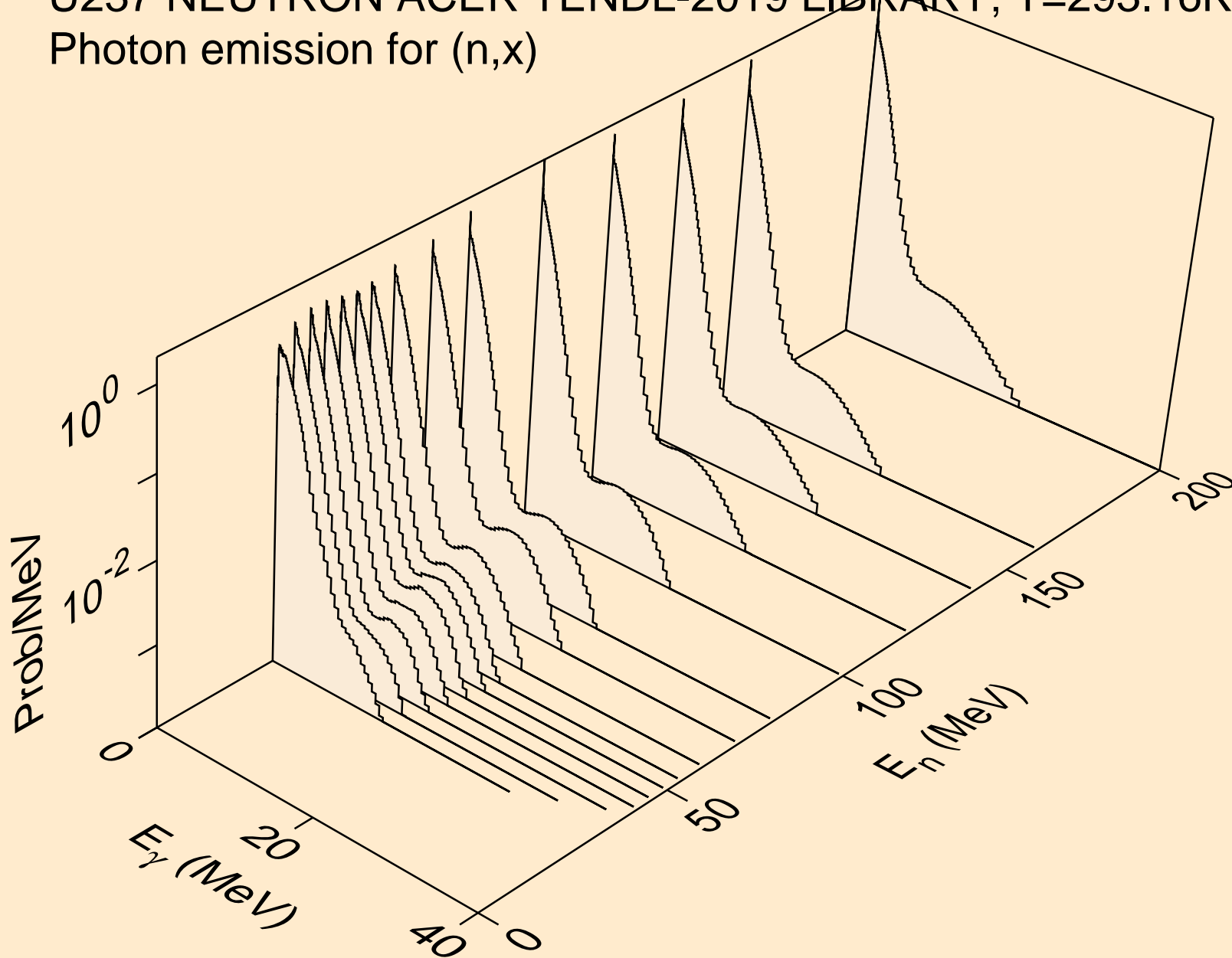


# U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

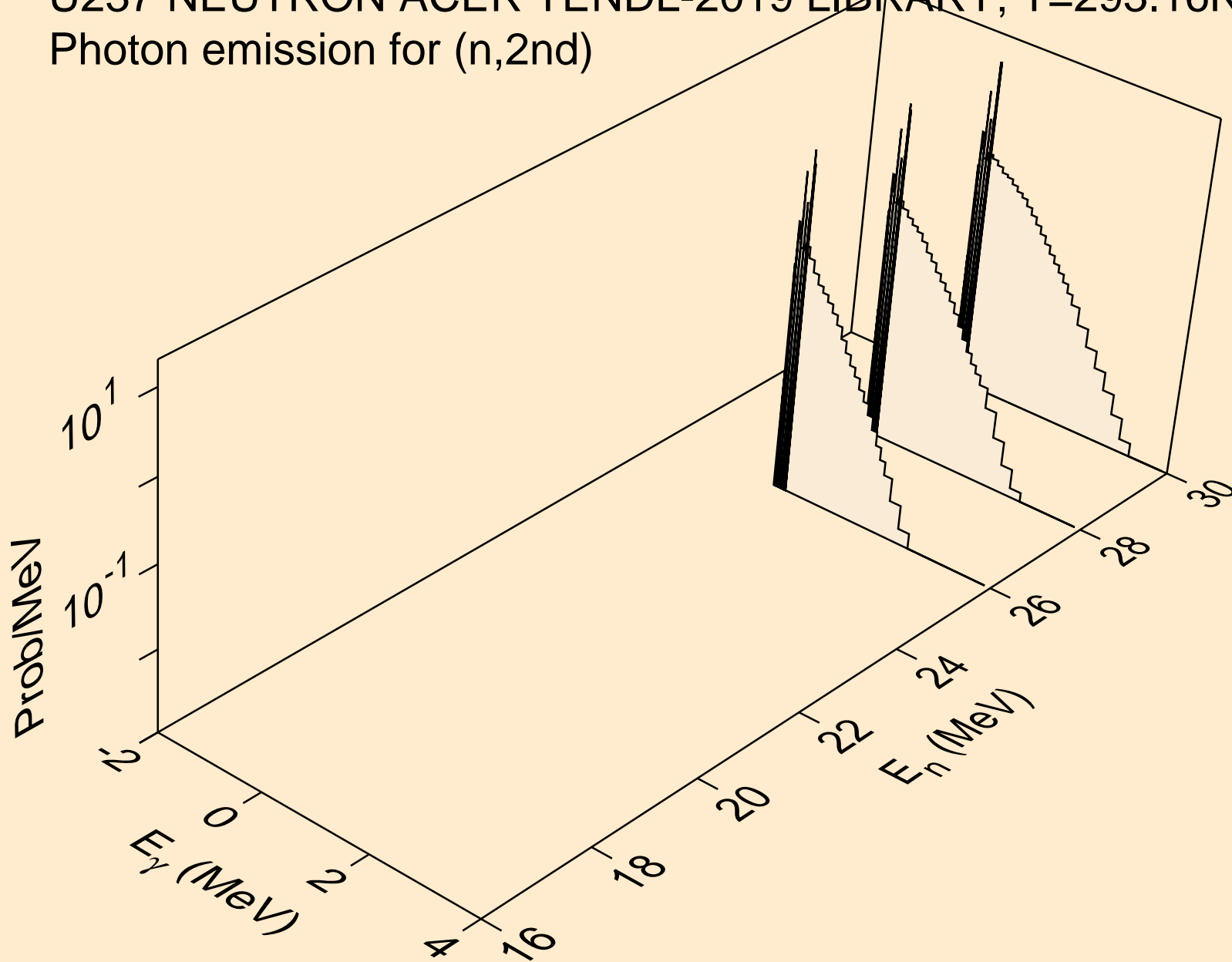
## Delayed neutron spectra



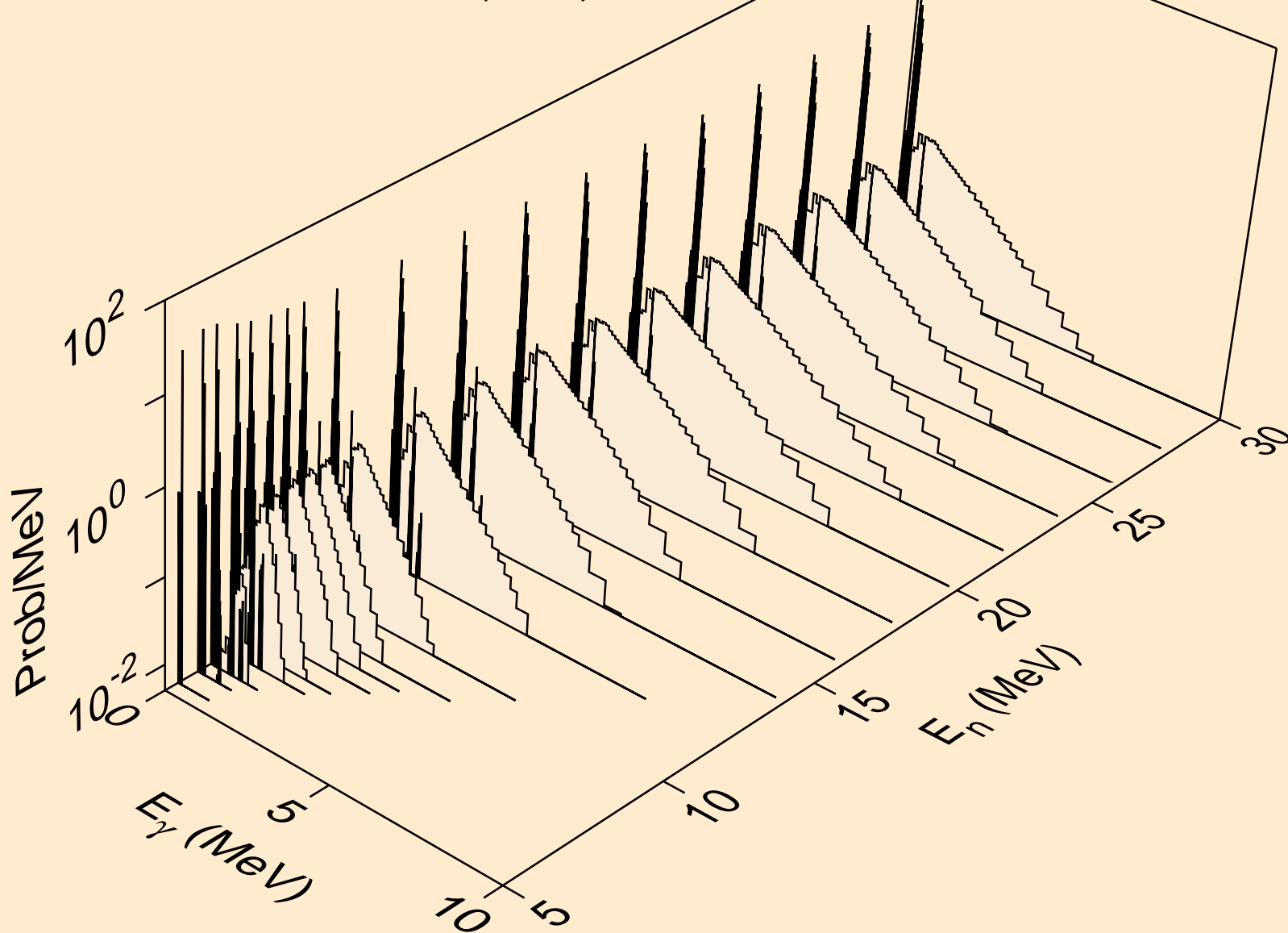
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)



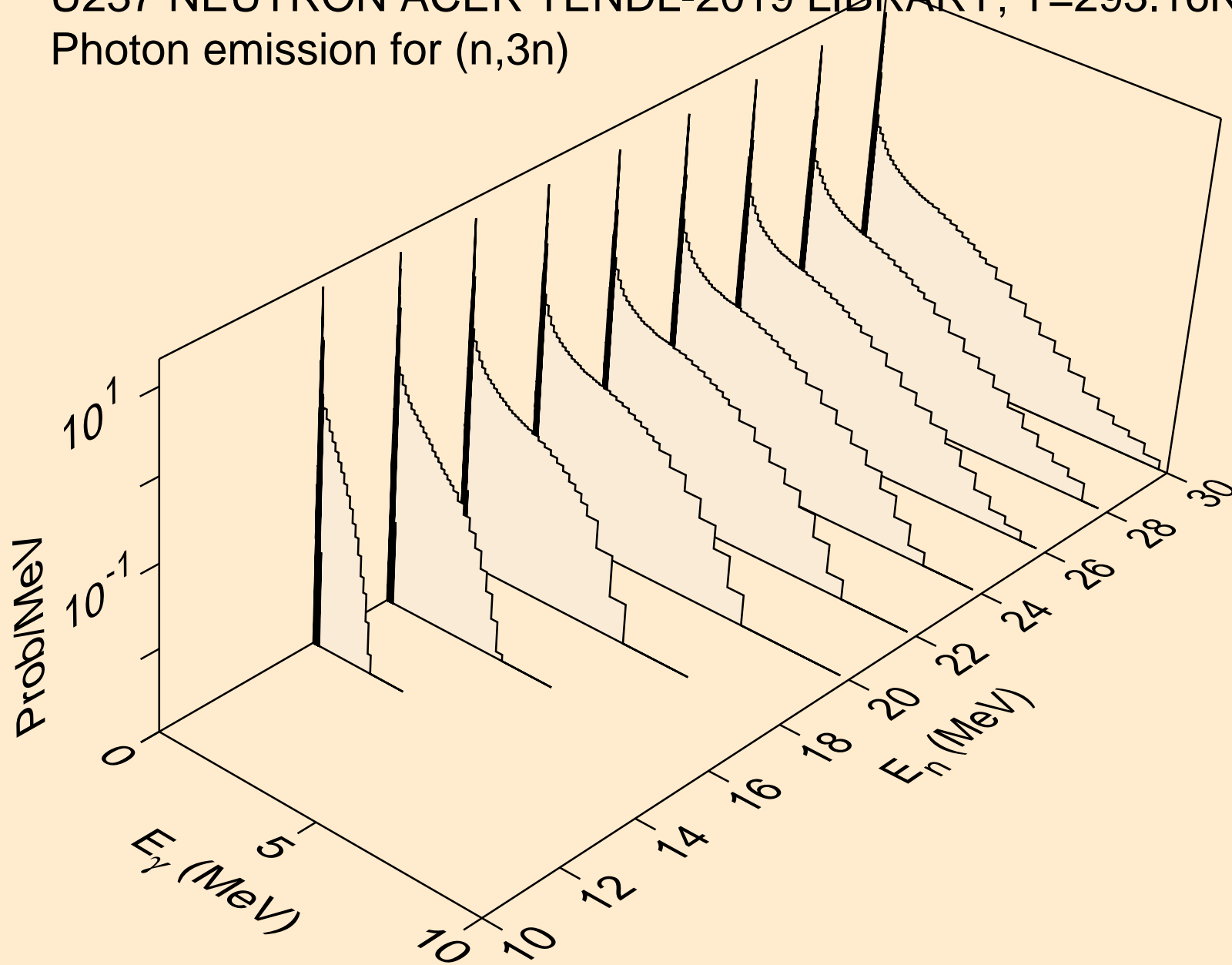
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)



U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)

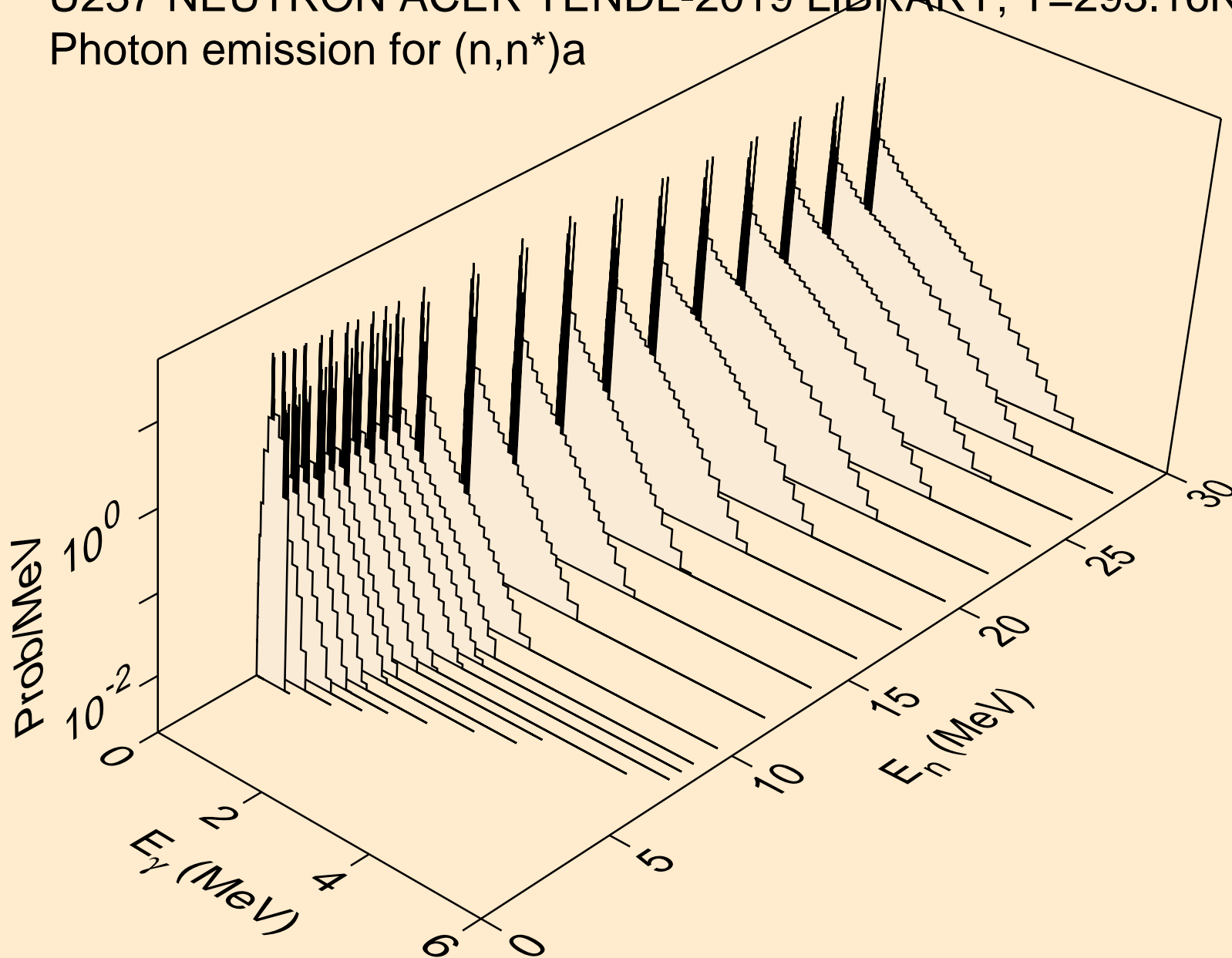


U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)

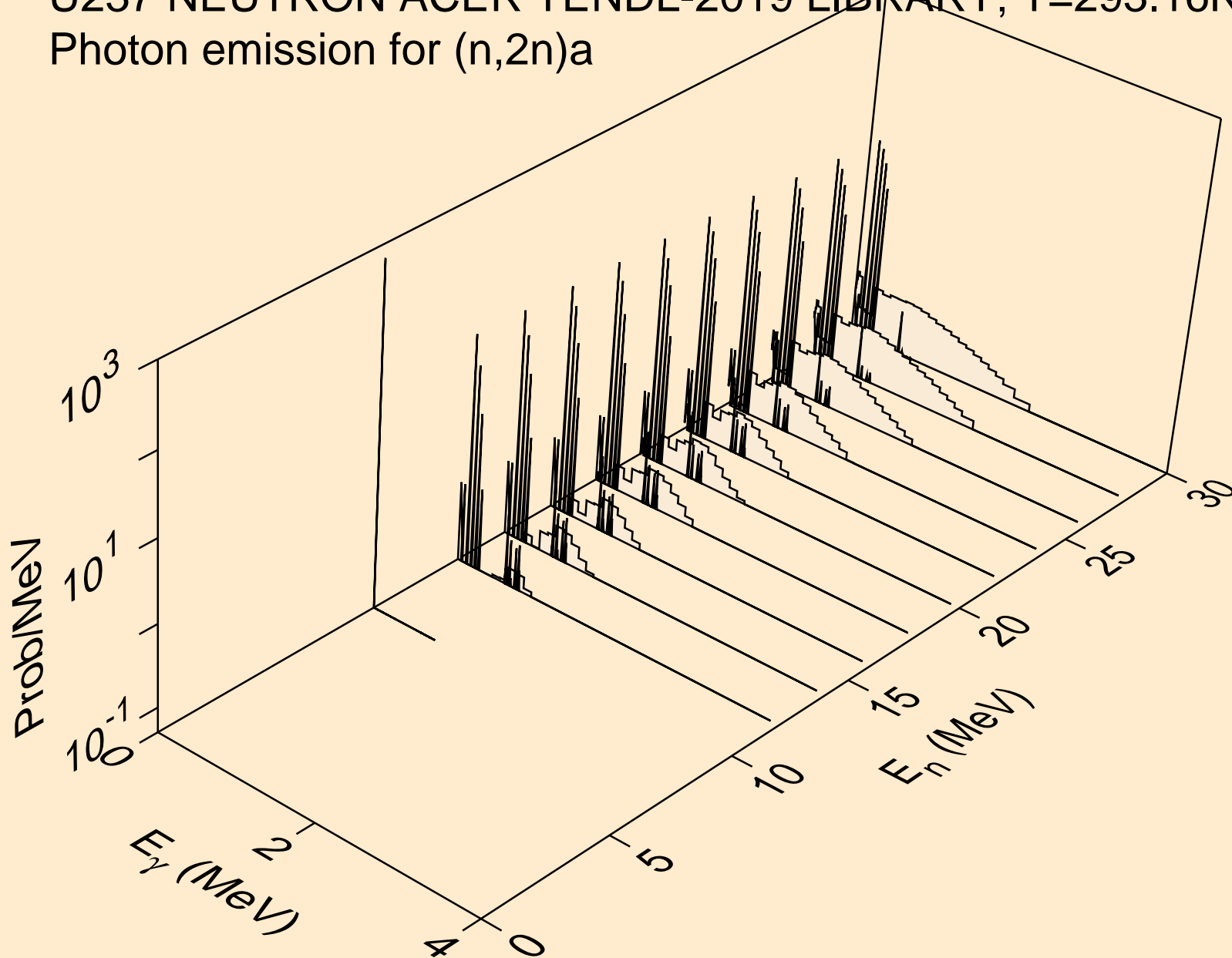




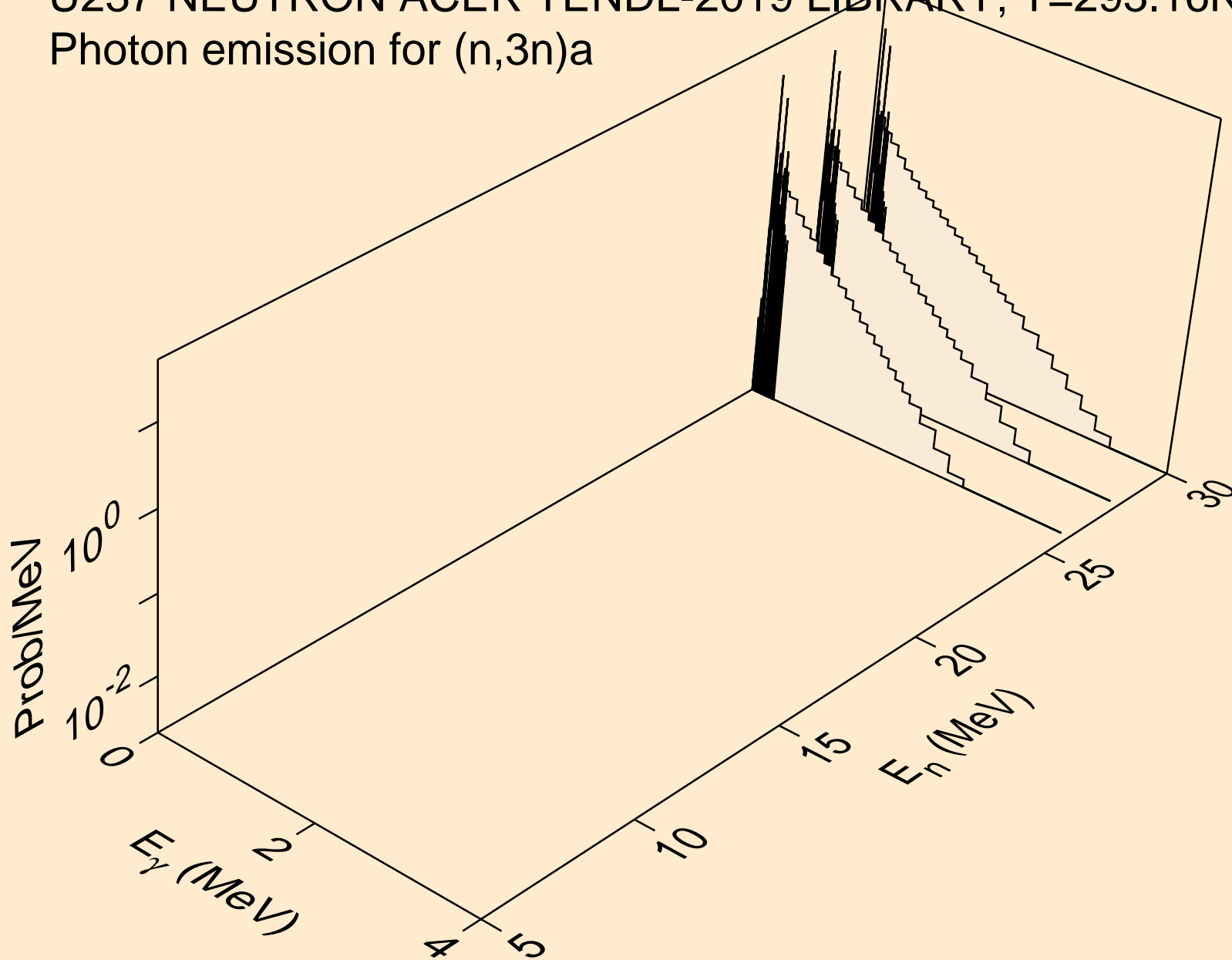
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a



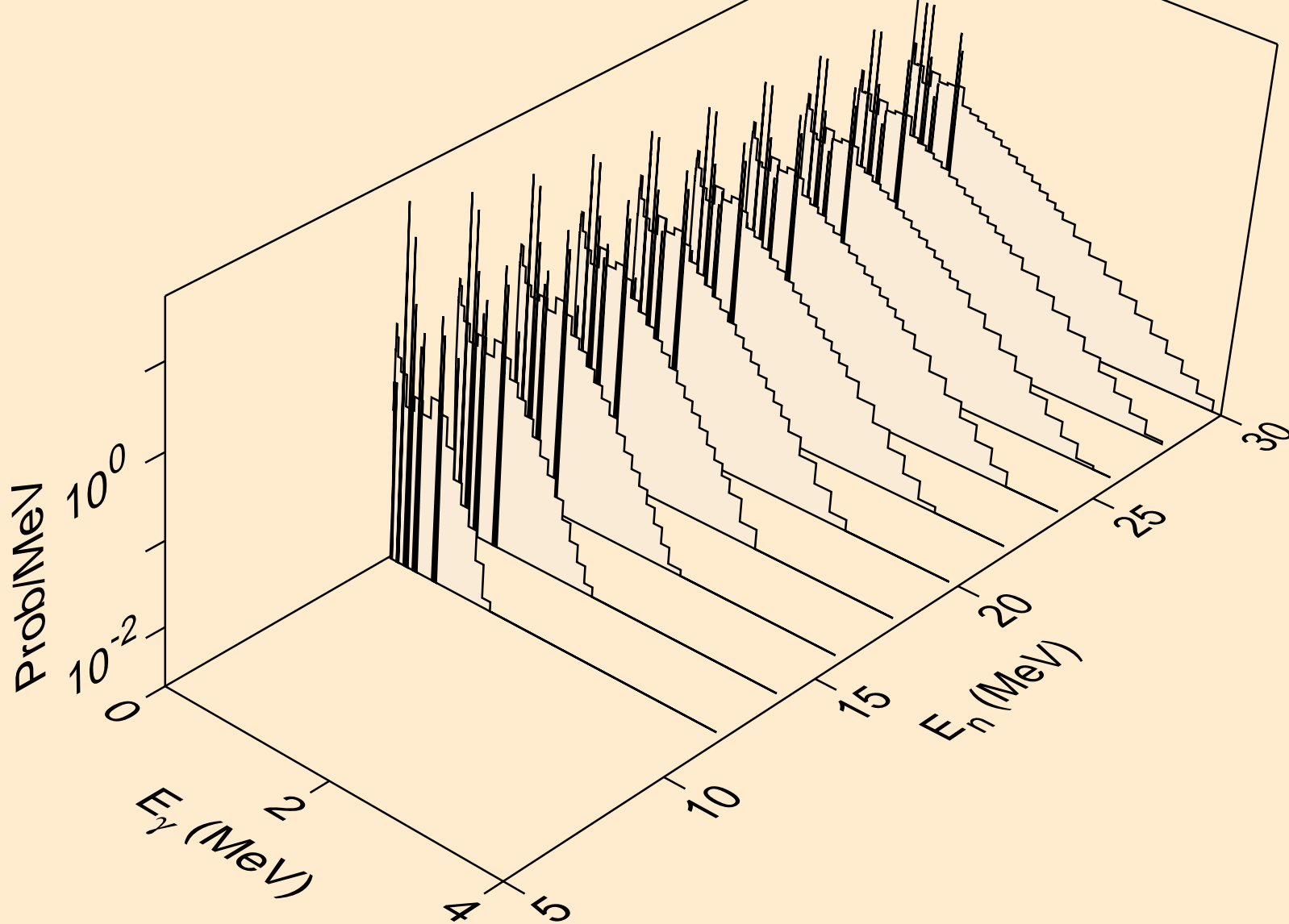
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a



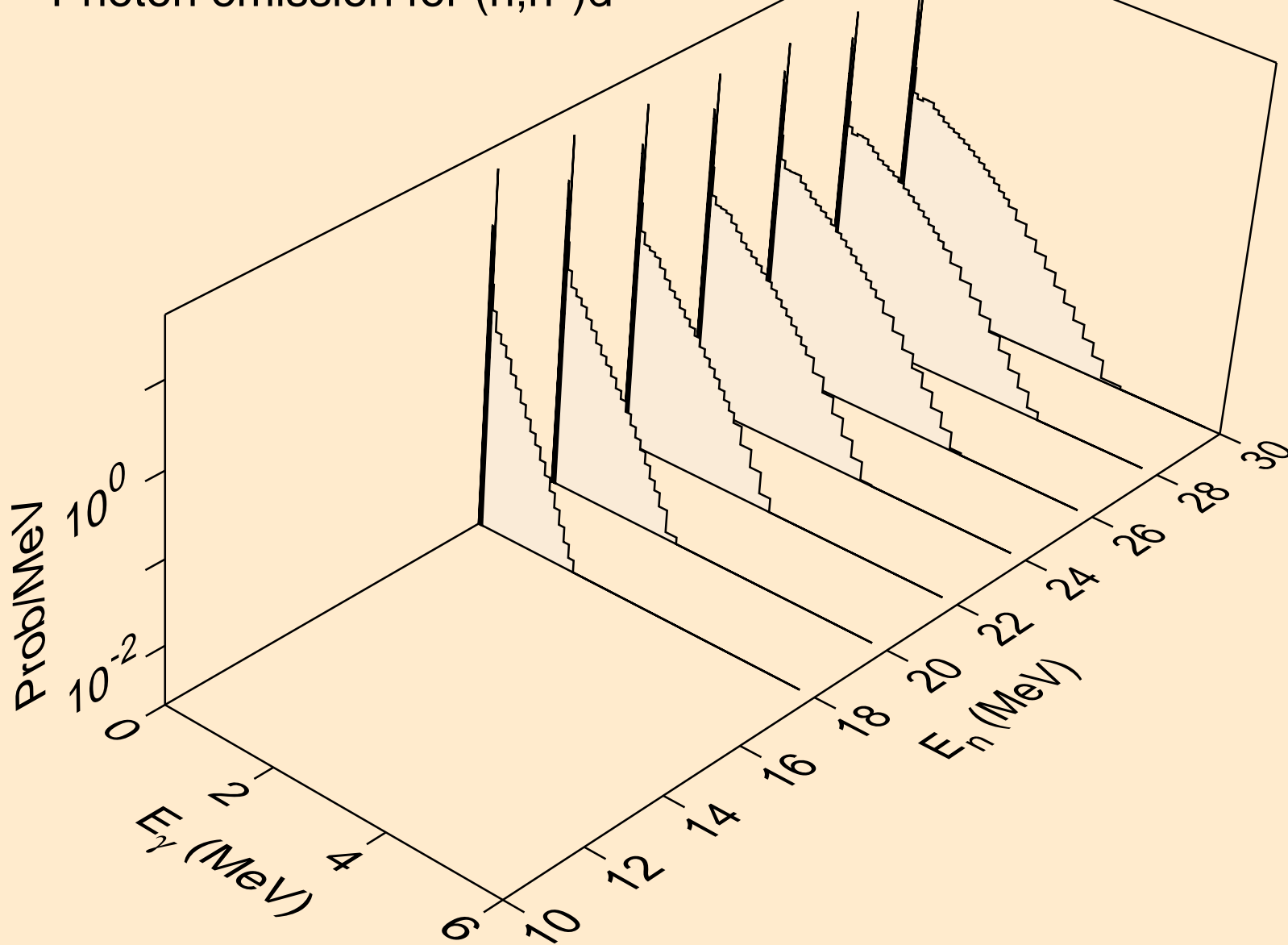
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a



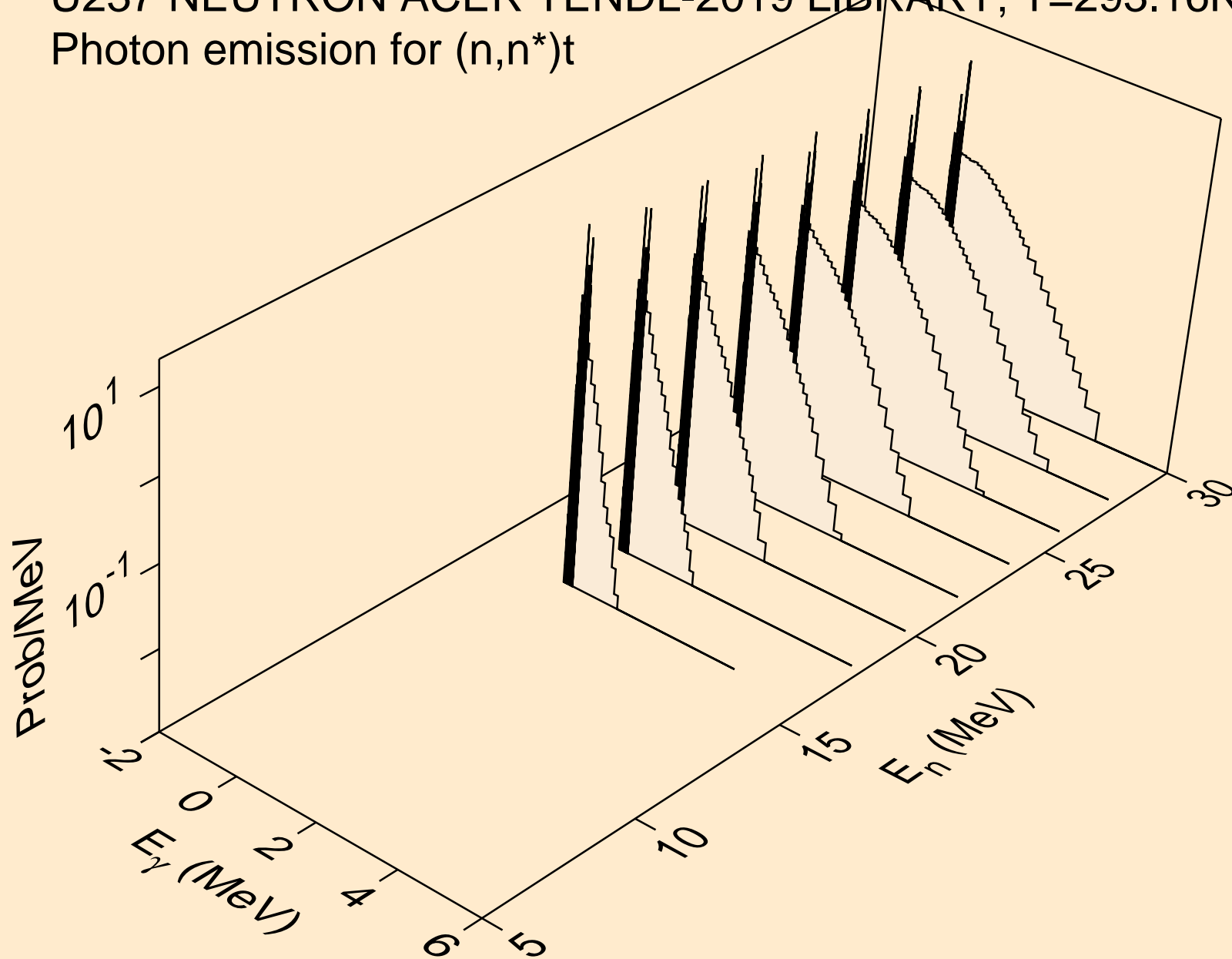
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p



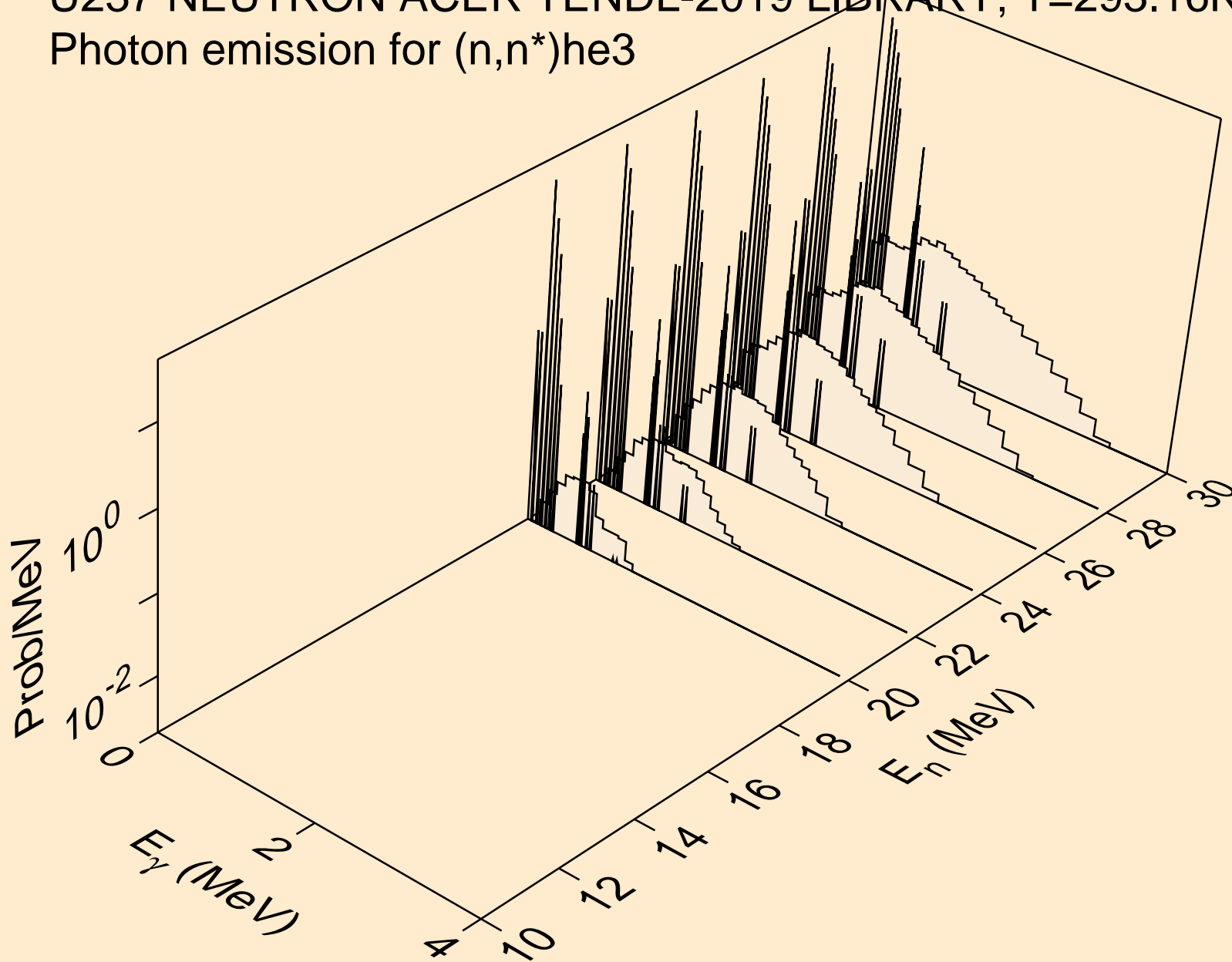
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d



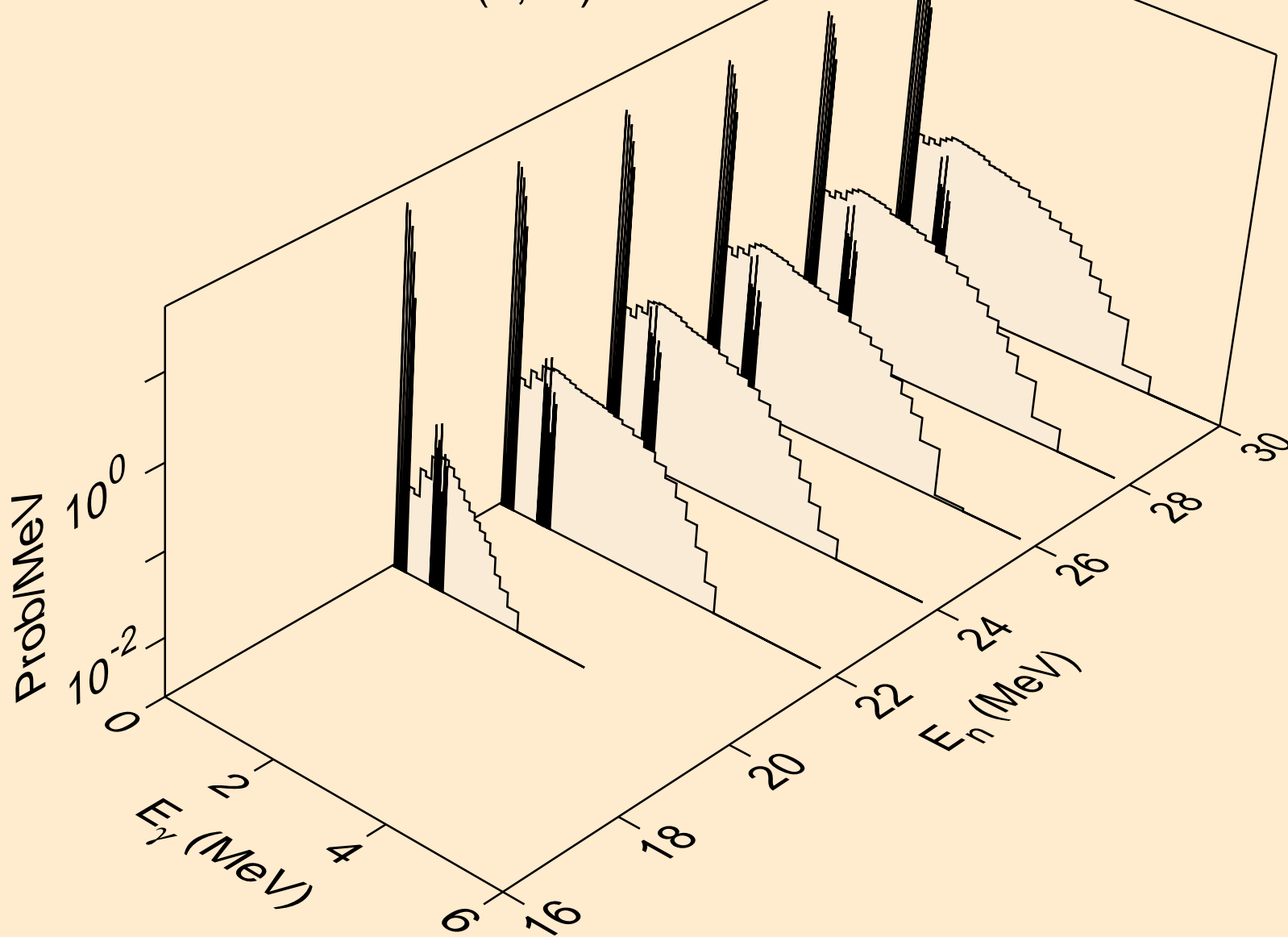
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t



U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3

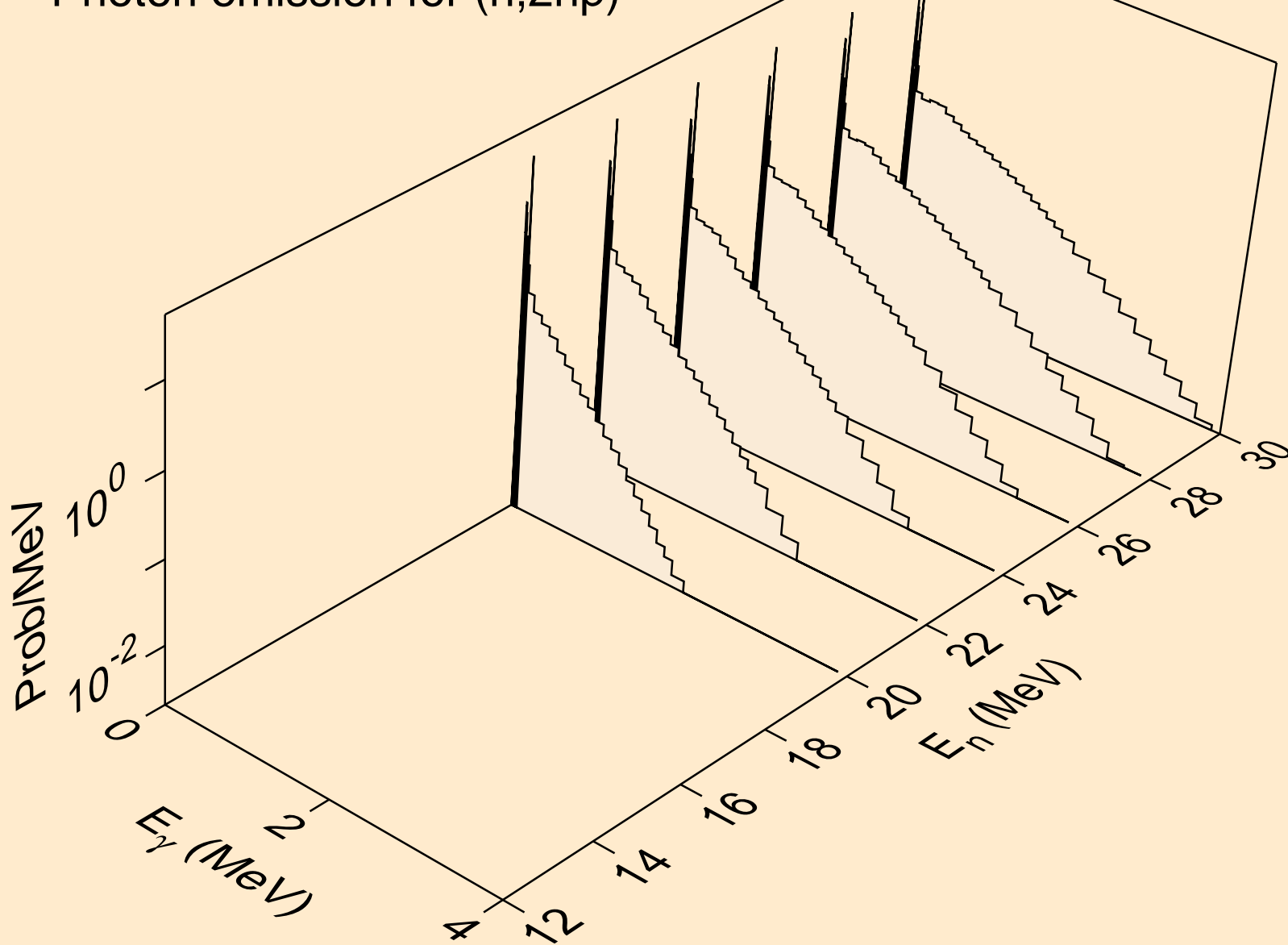


U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,4n)

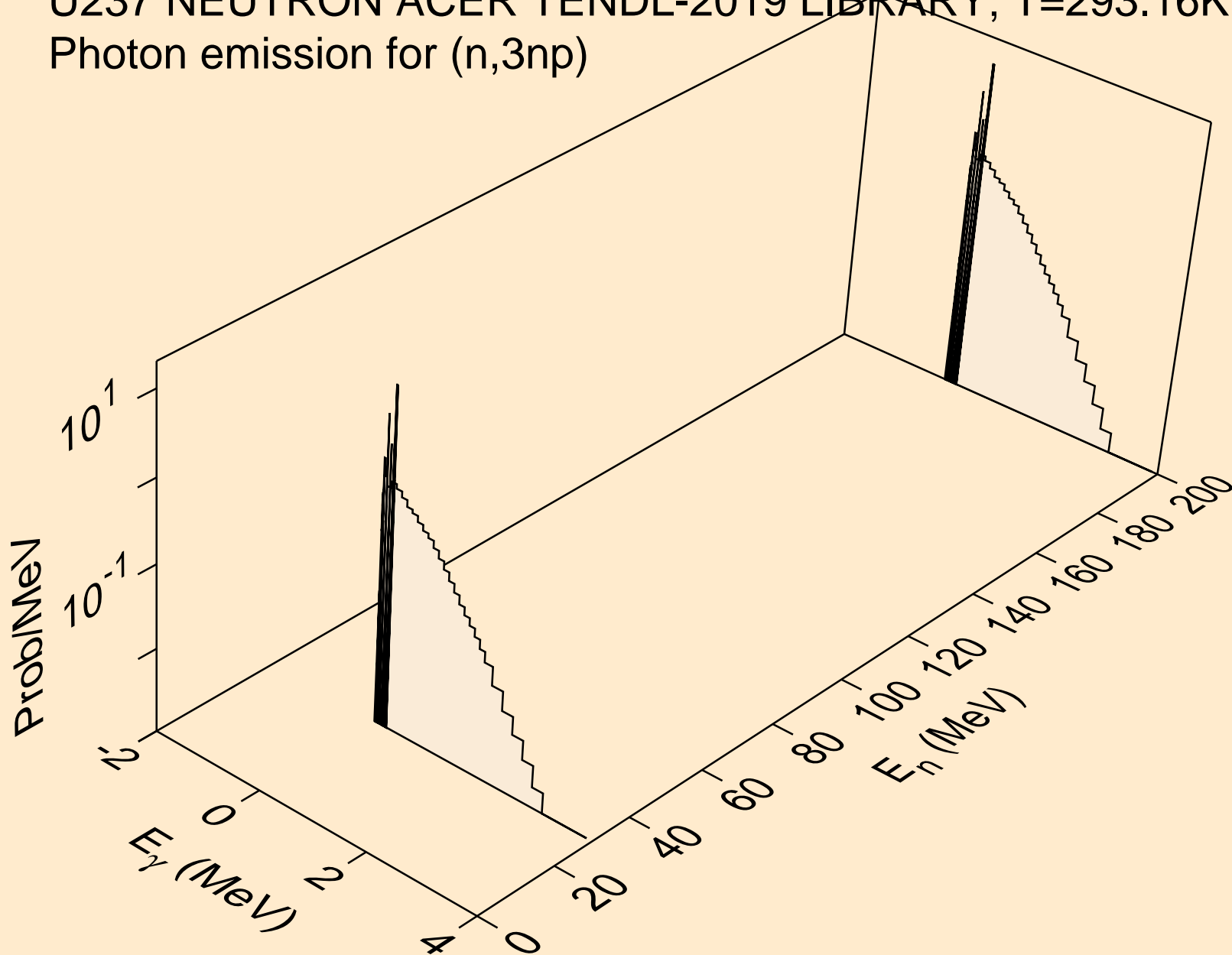




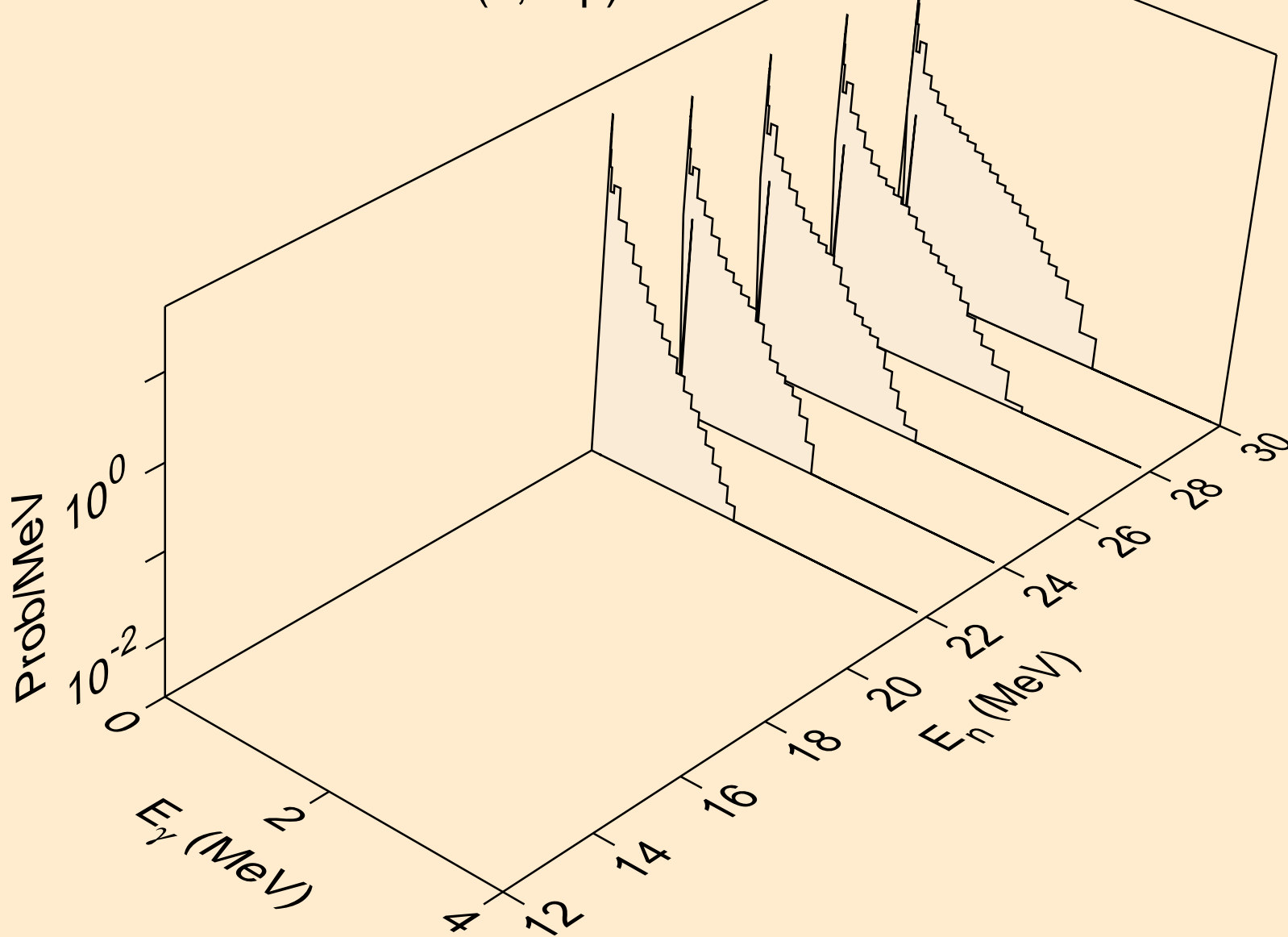
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



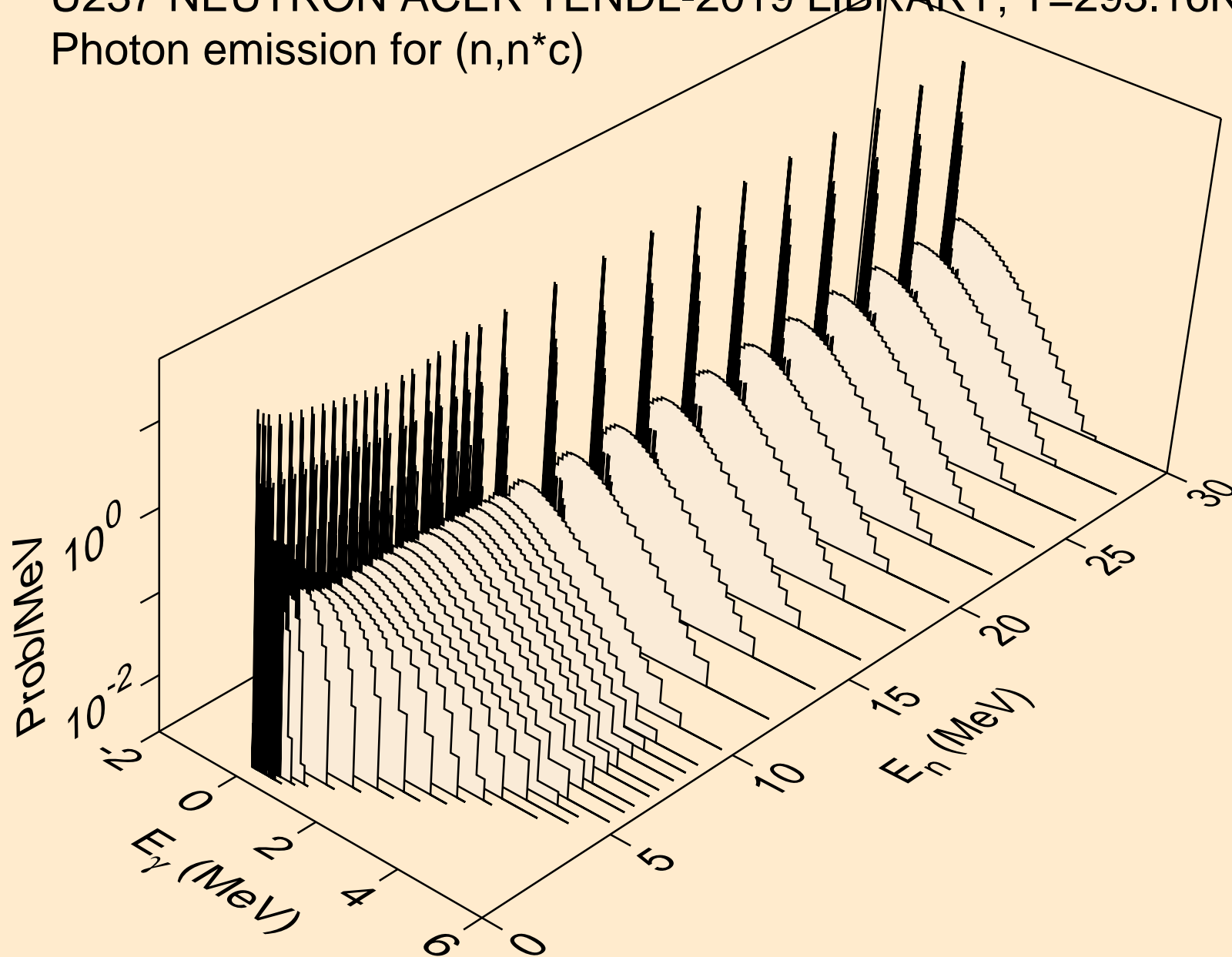
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3np)



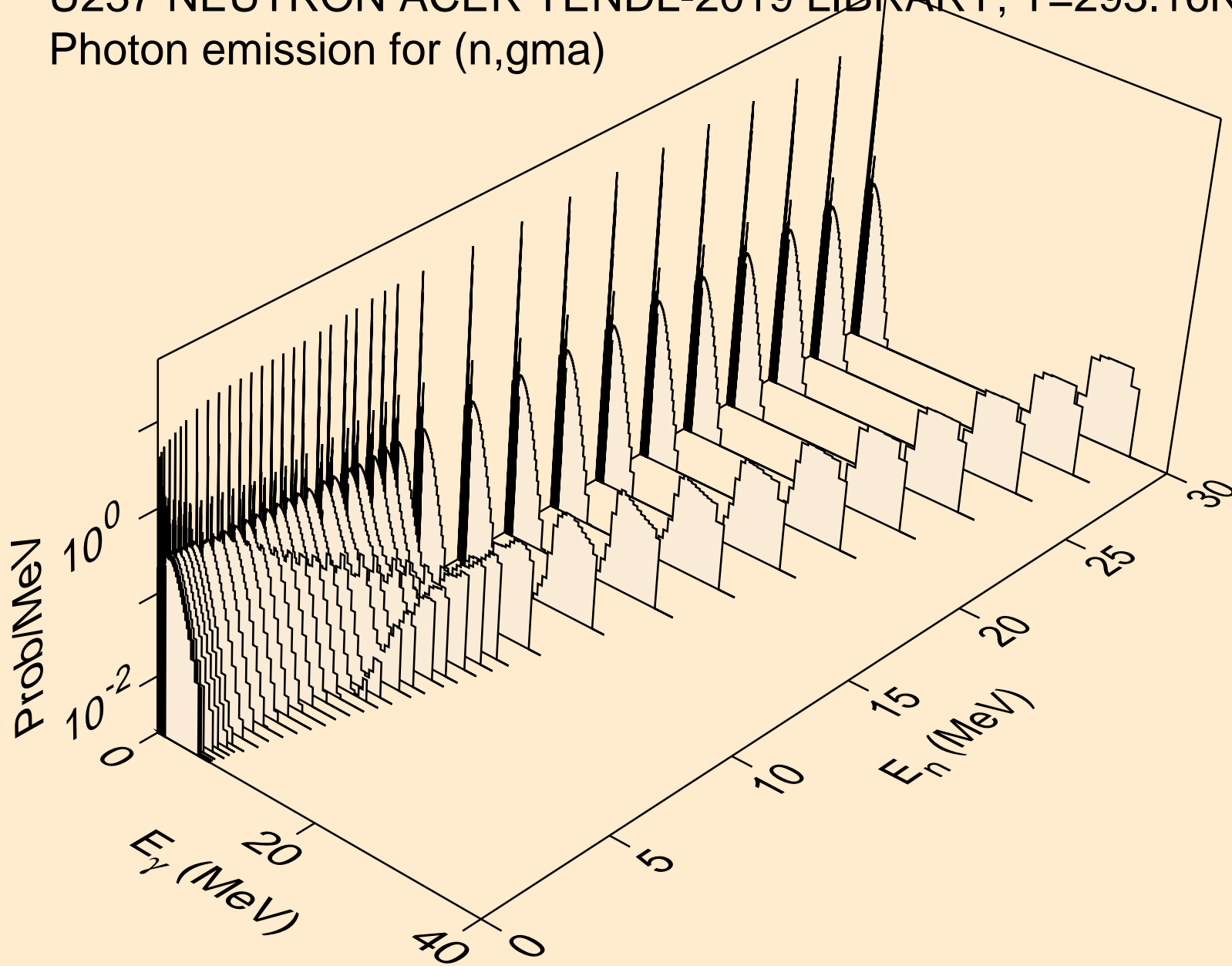
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



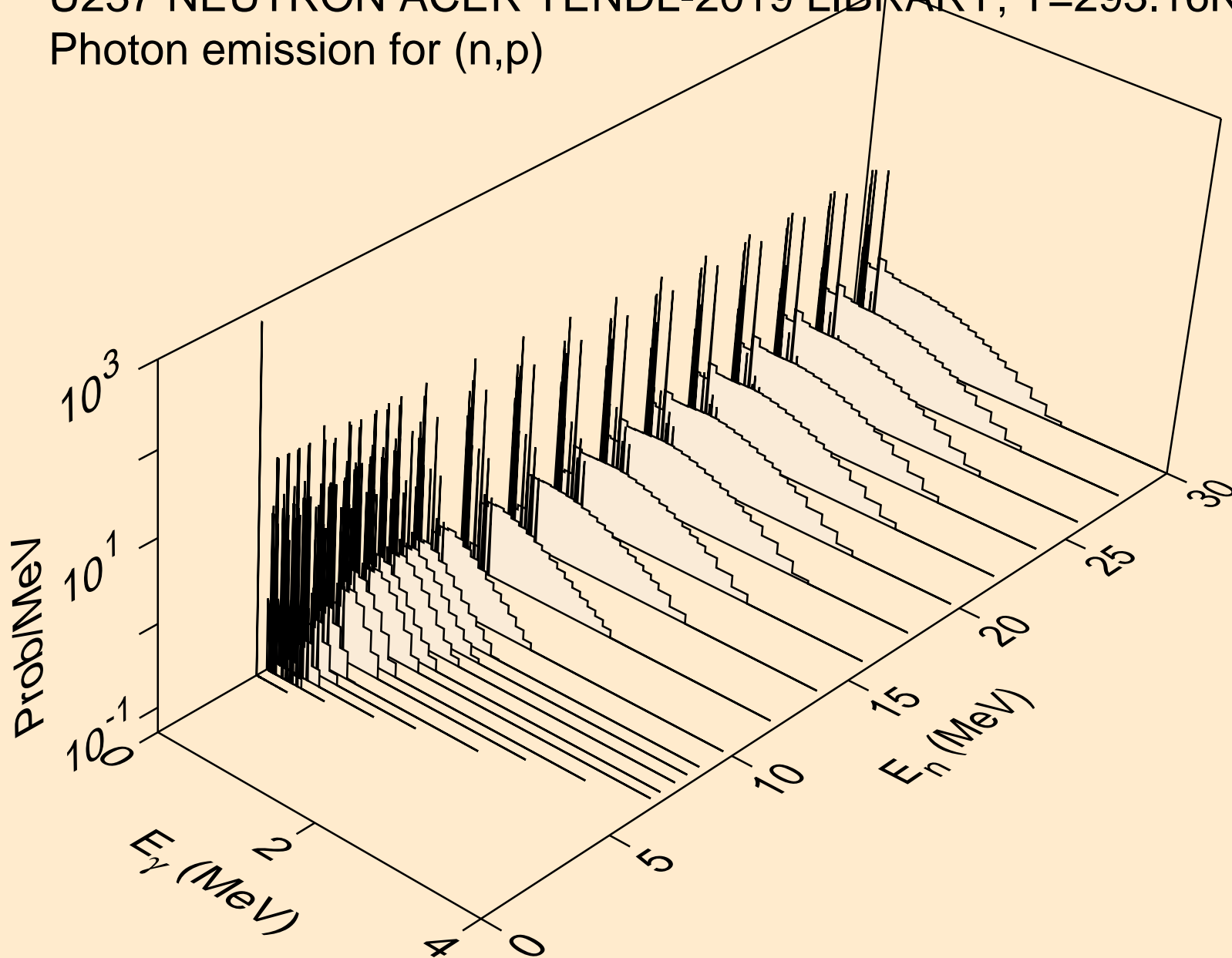
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)



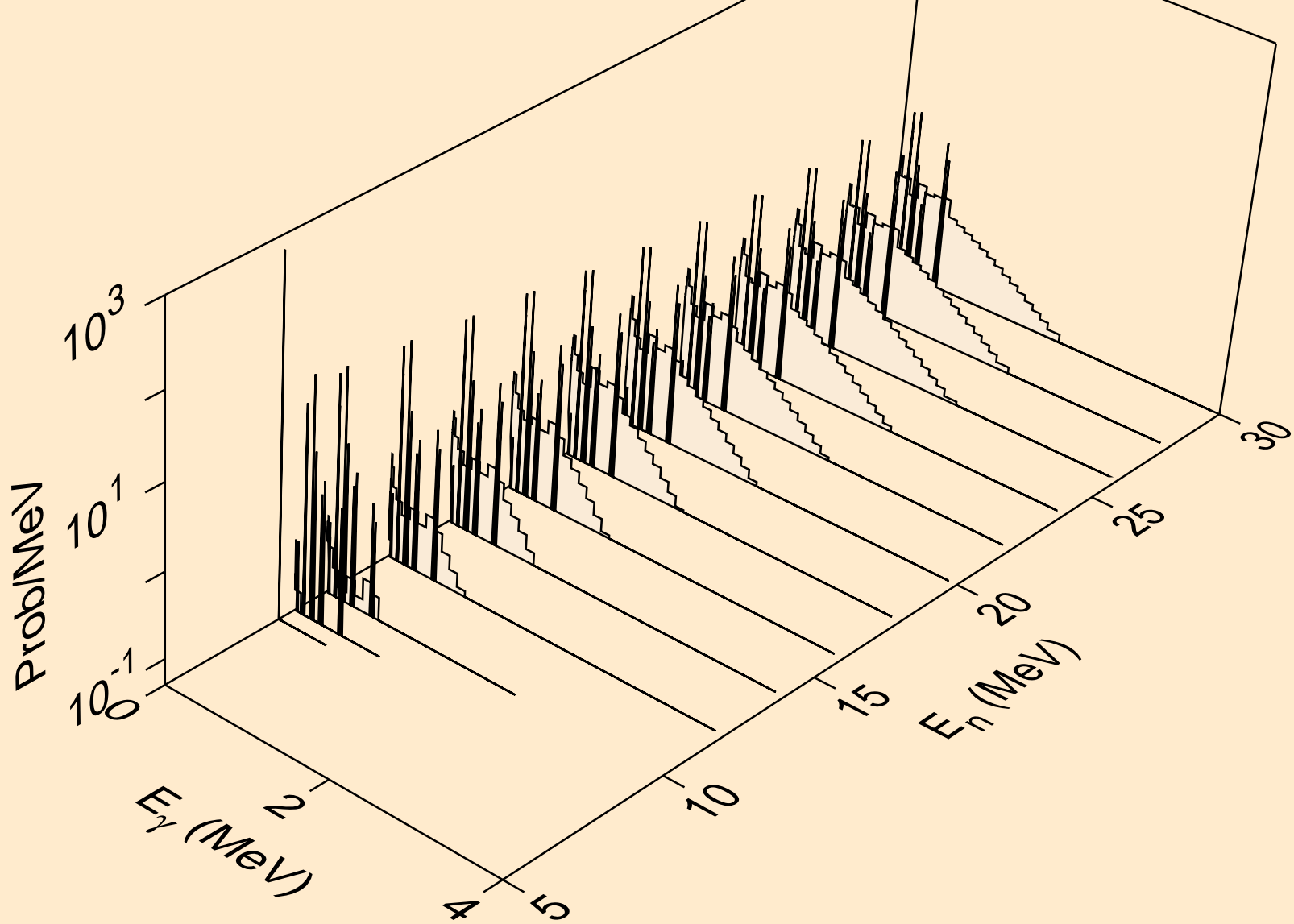
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)



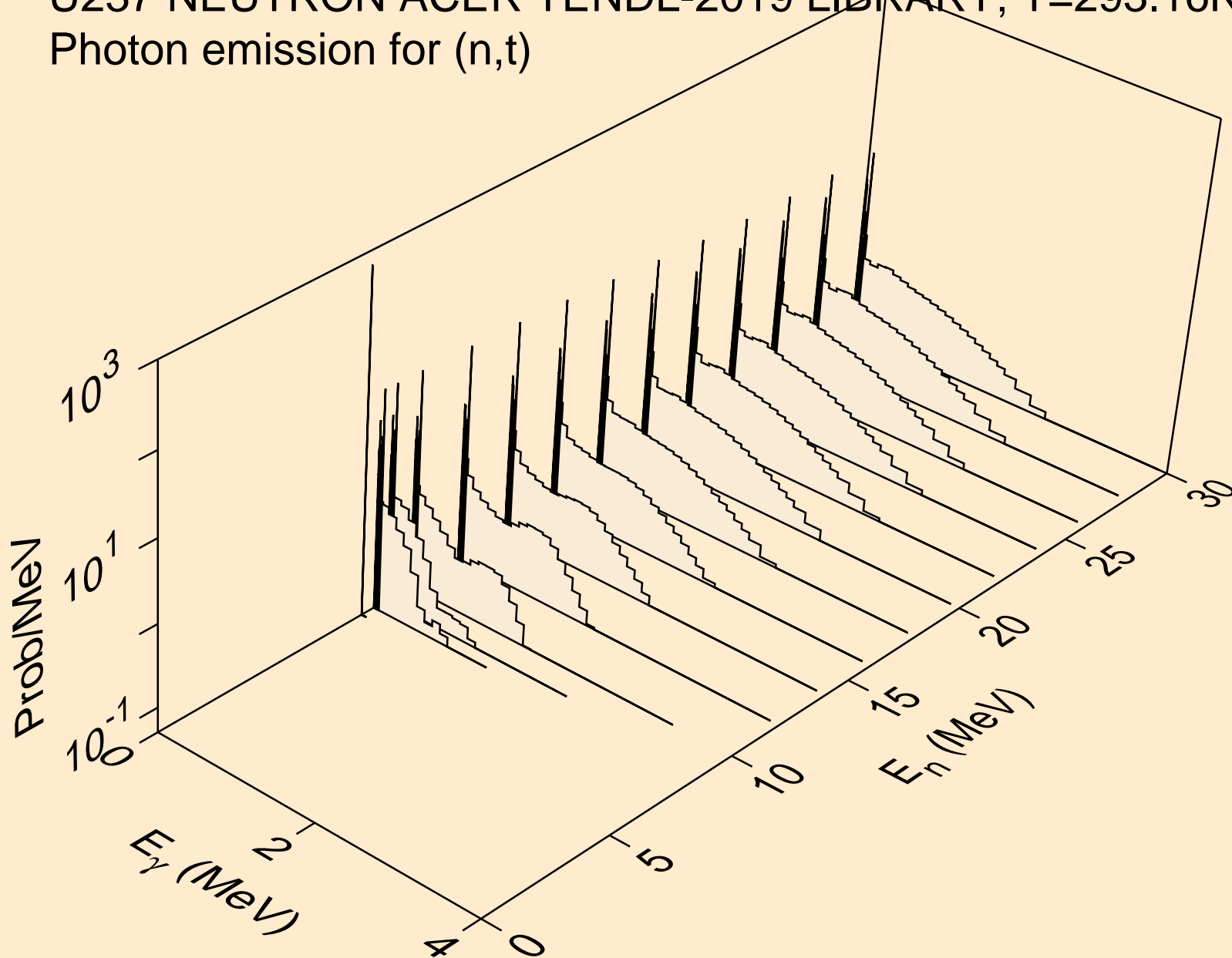
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)



U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)

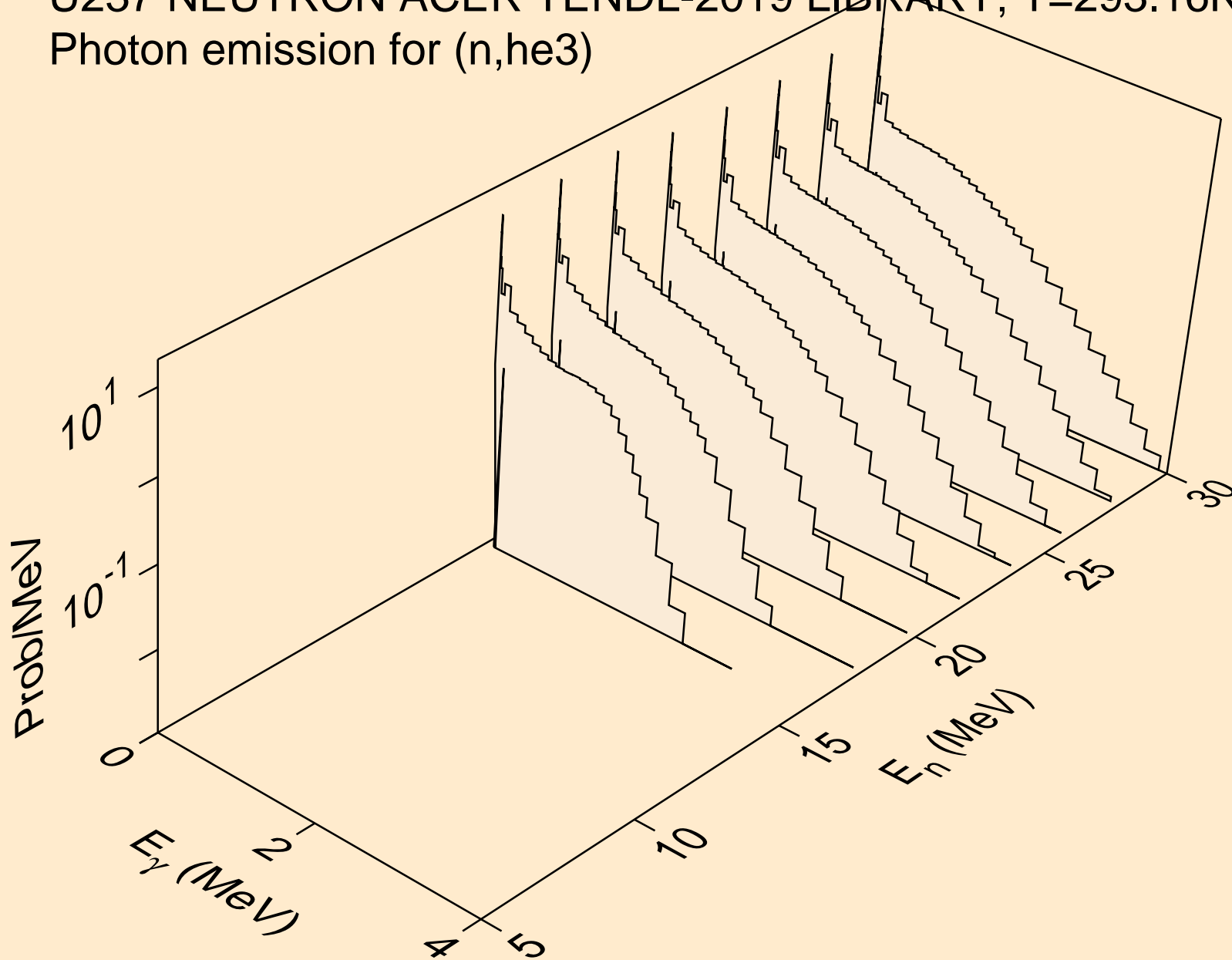


U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)

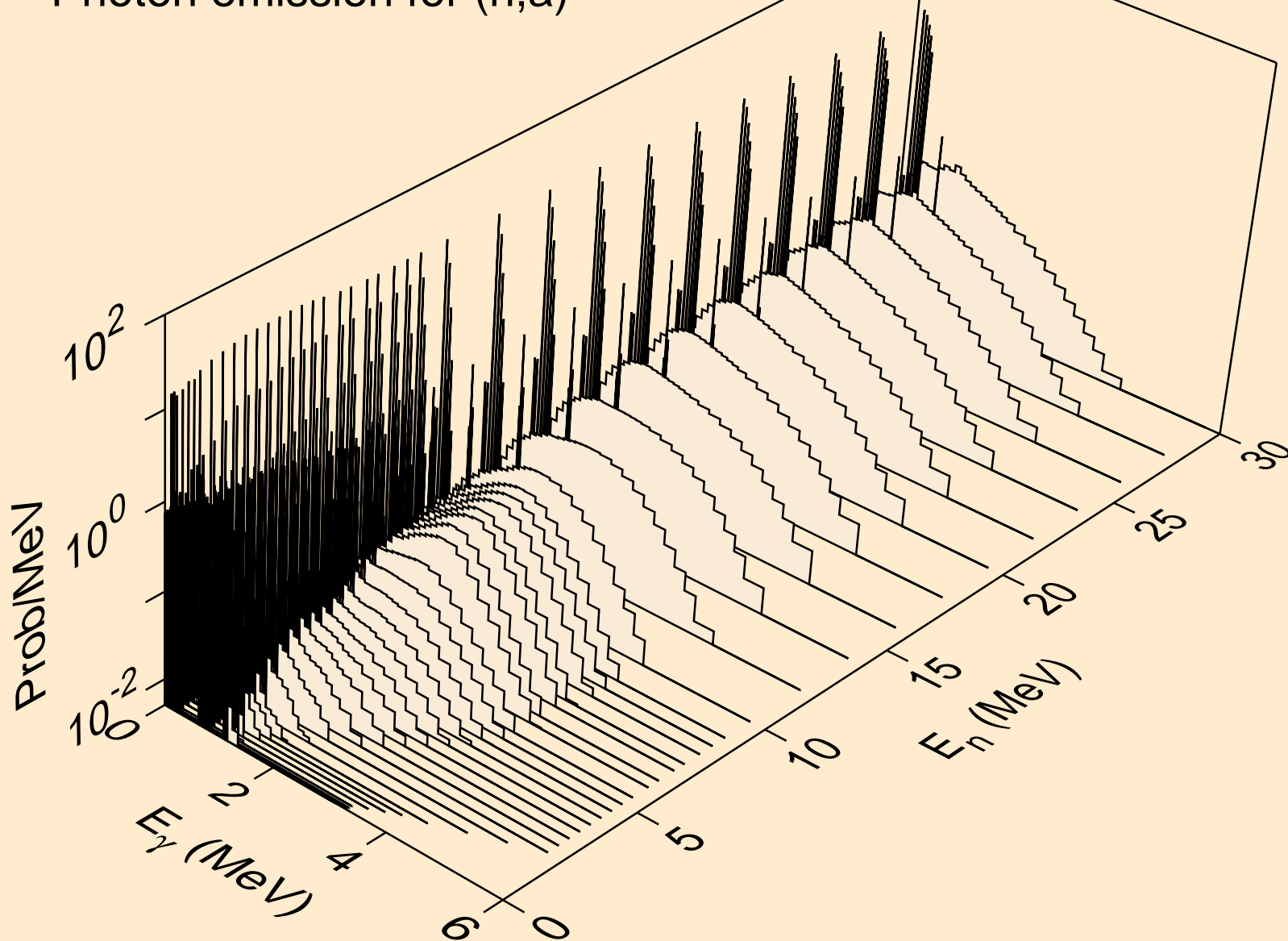




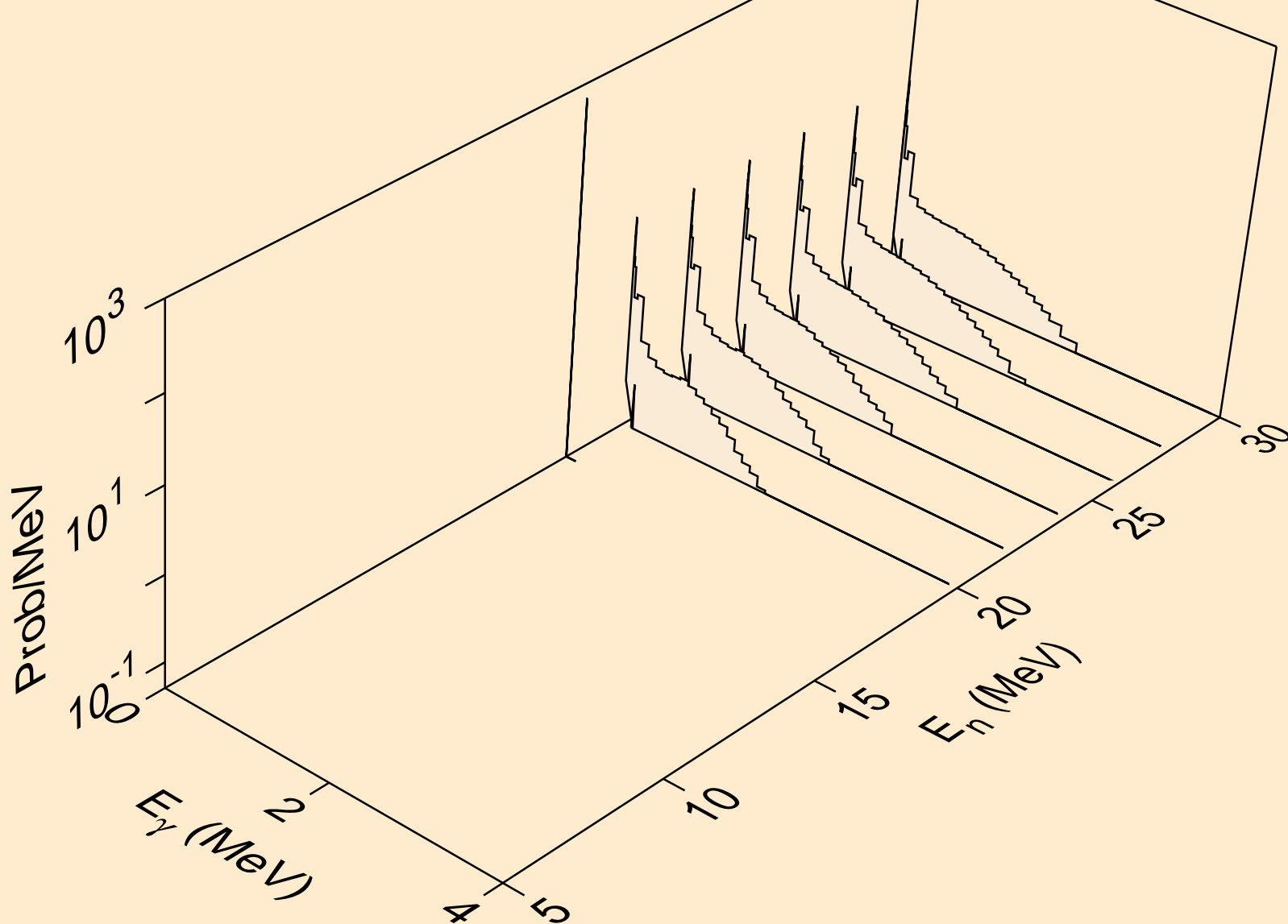
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)



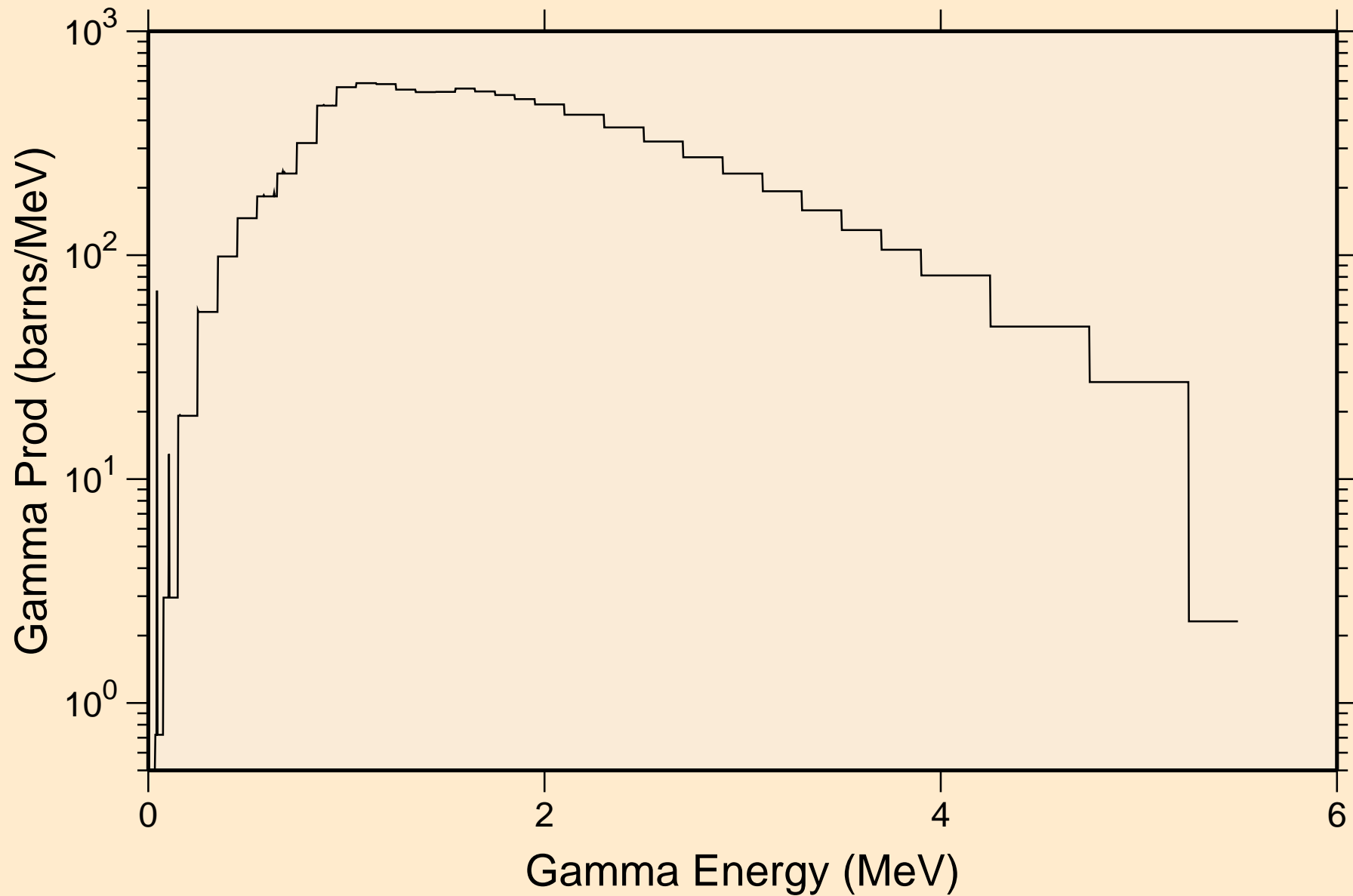
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)



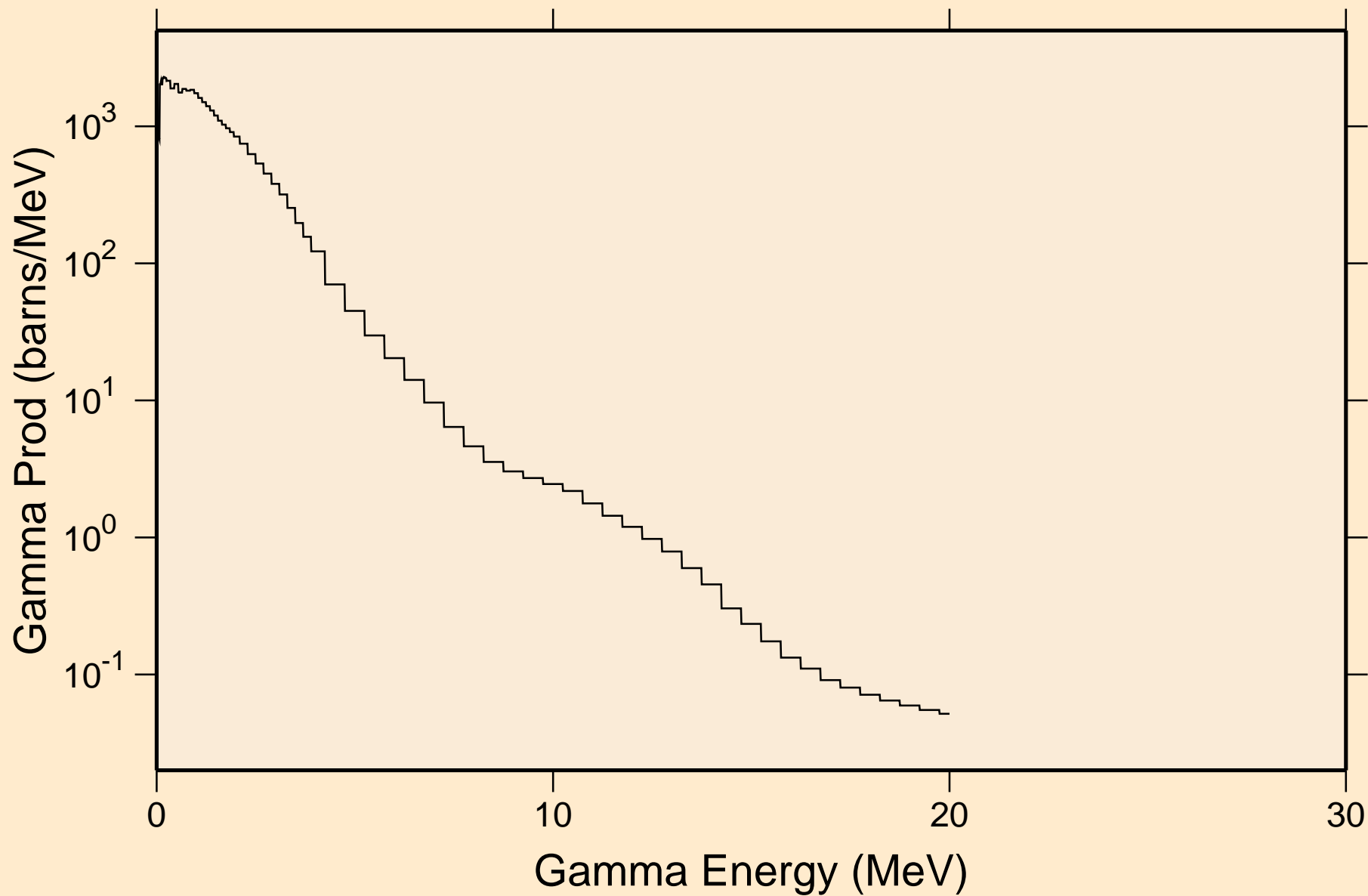
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)



U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

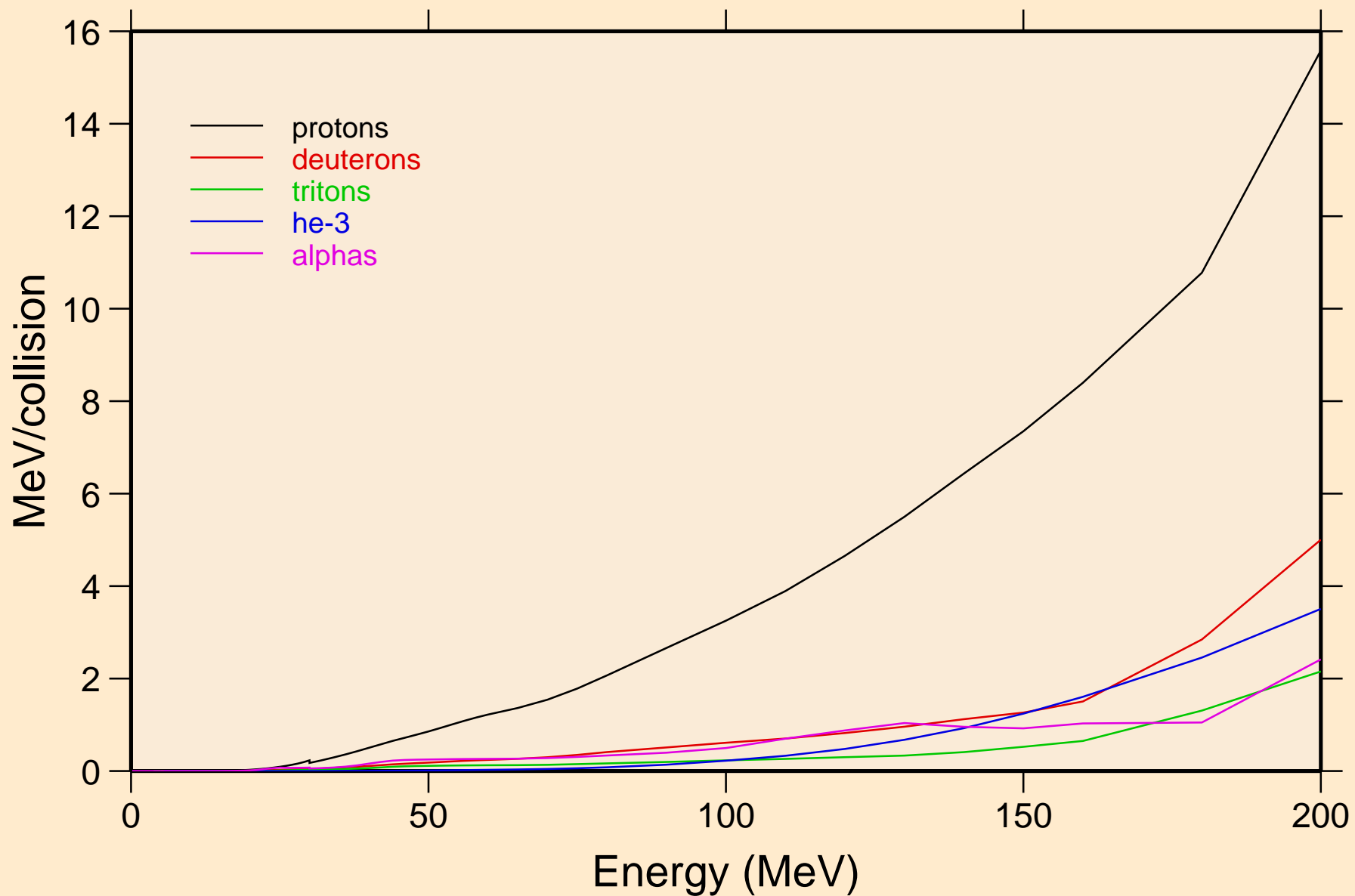


U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

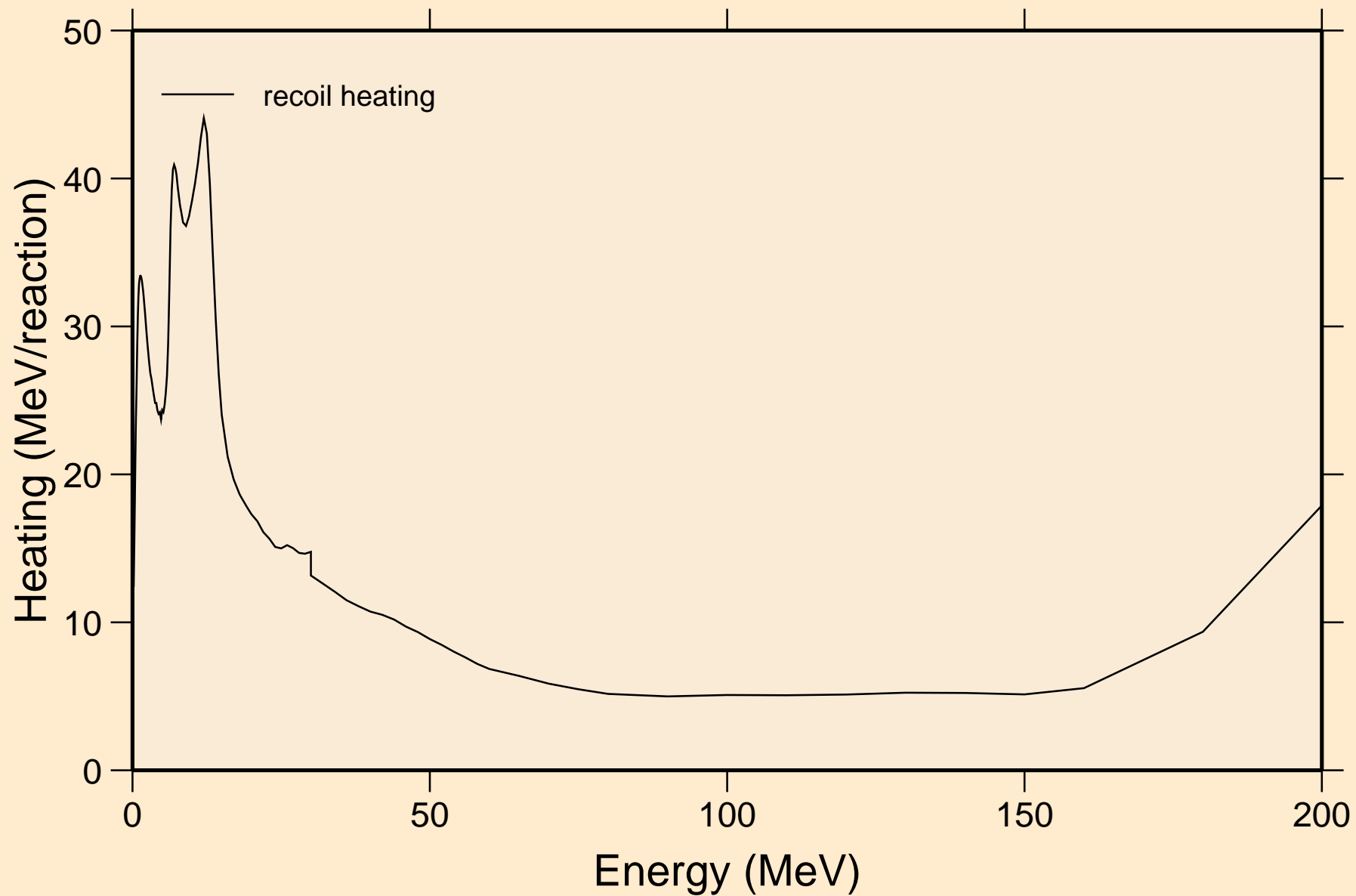


# U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

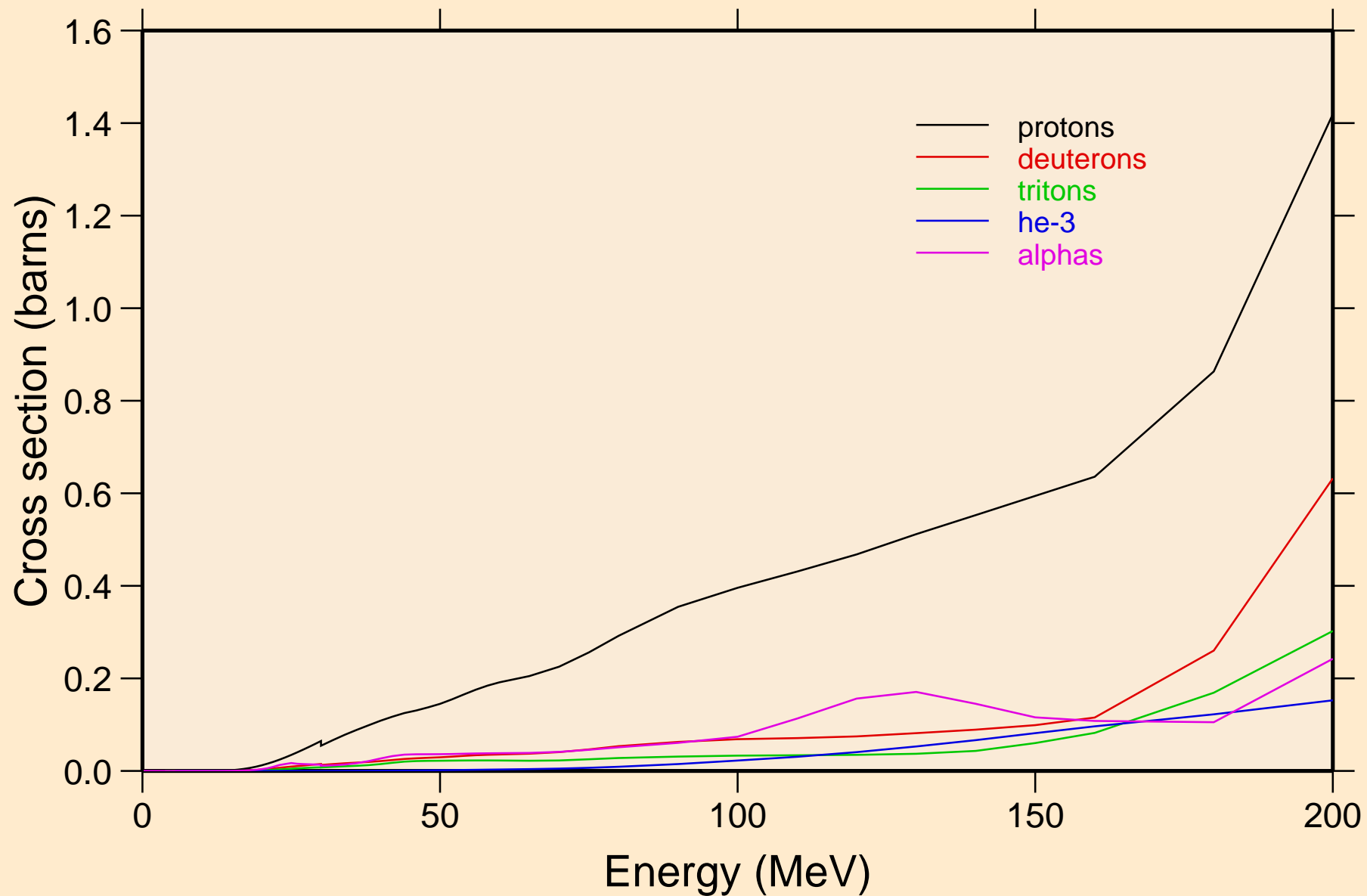
## Particle heating contributions



U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating

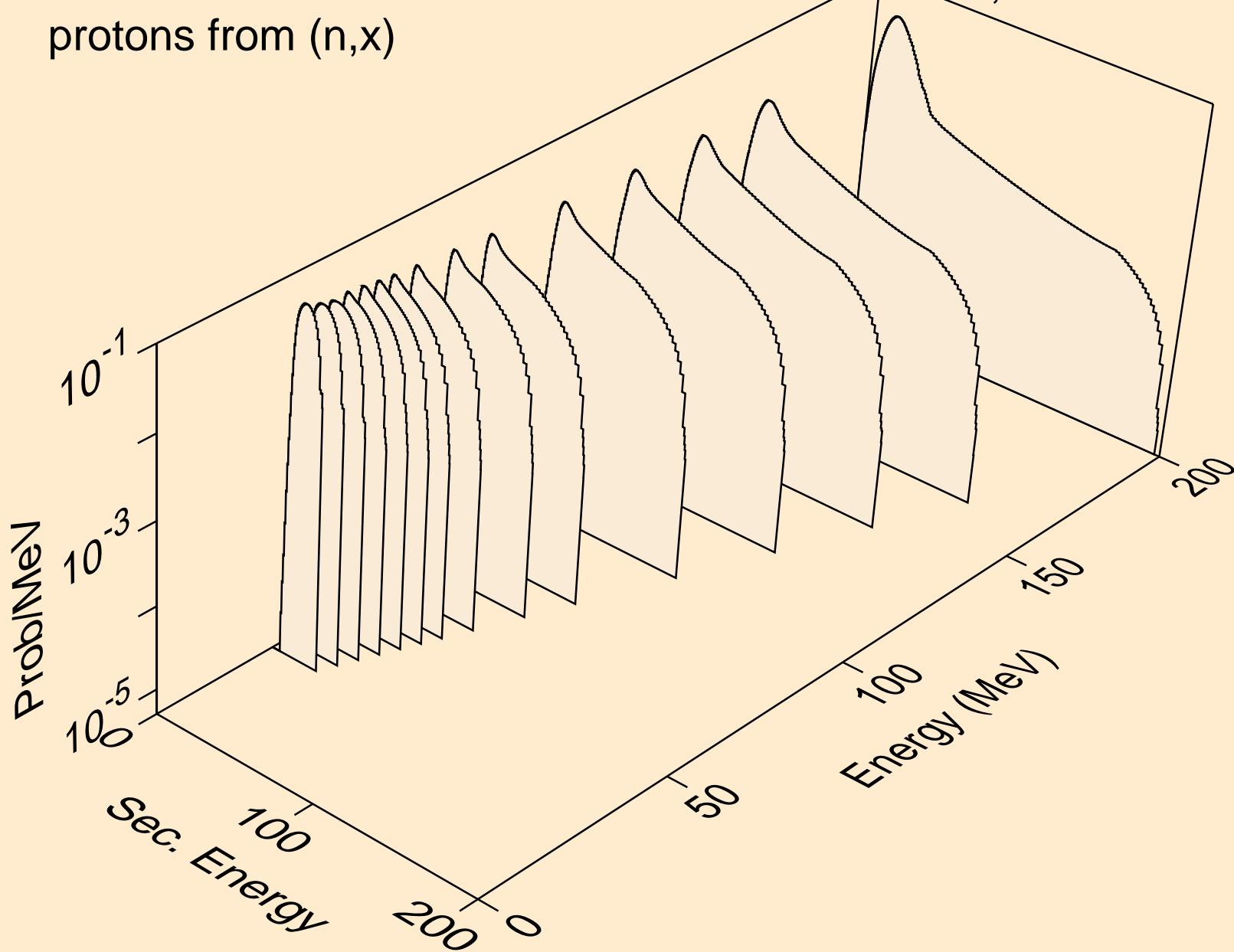


U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle production cross sections

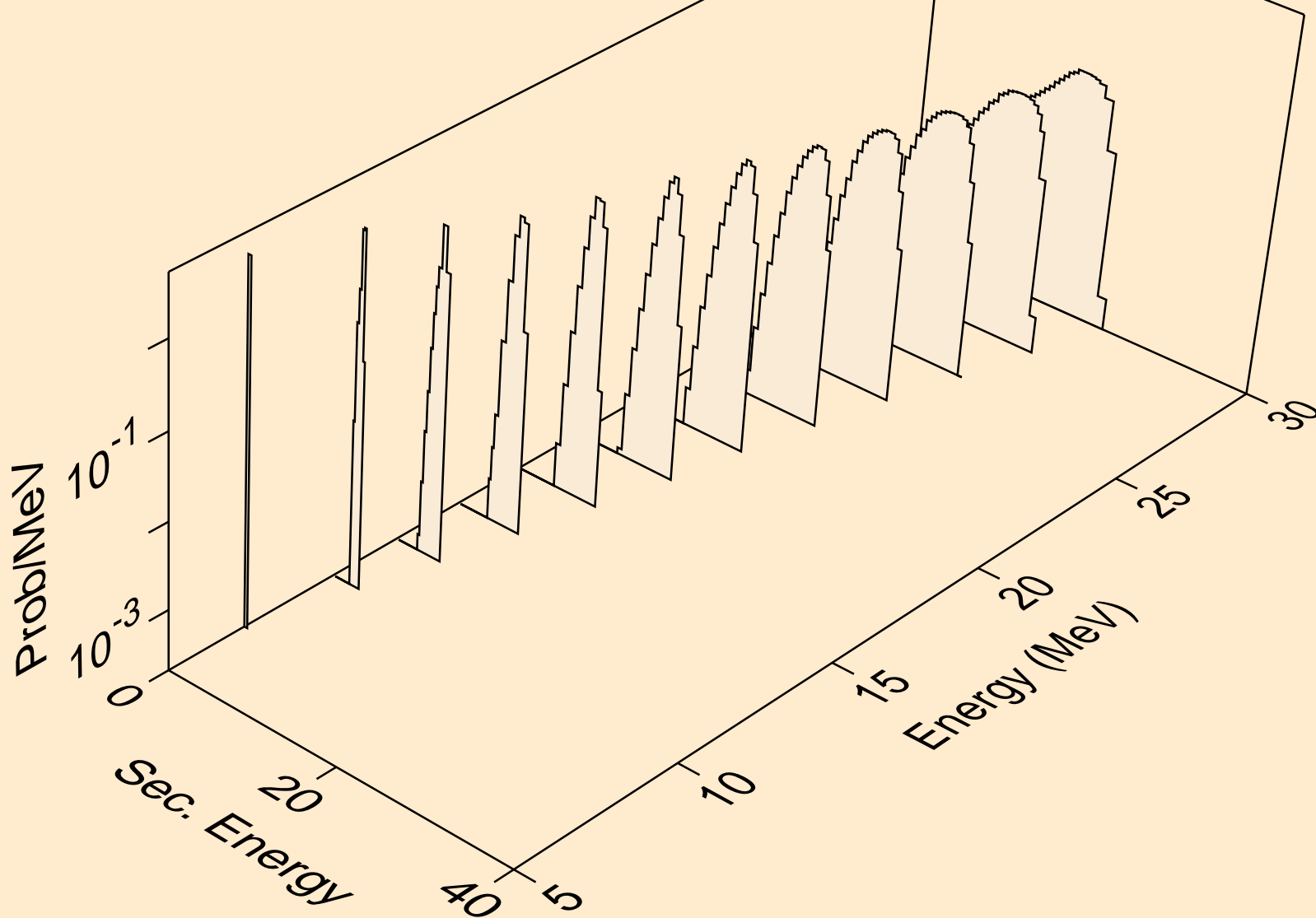




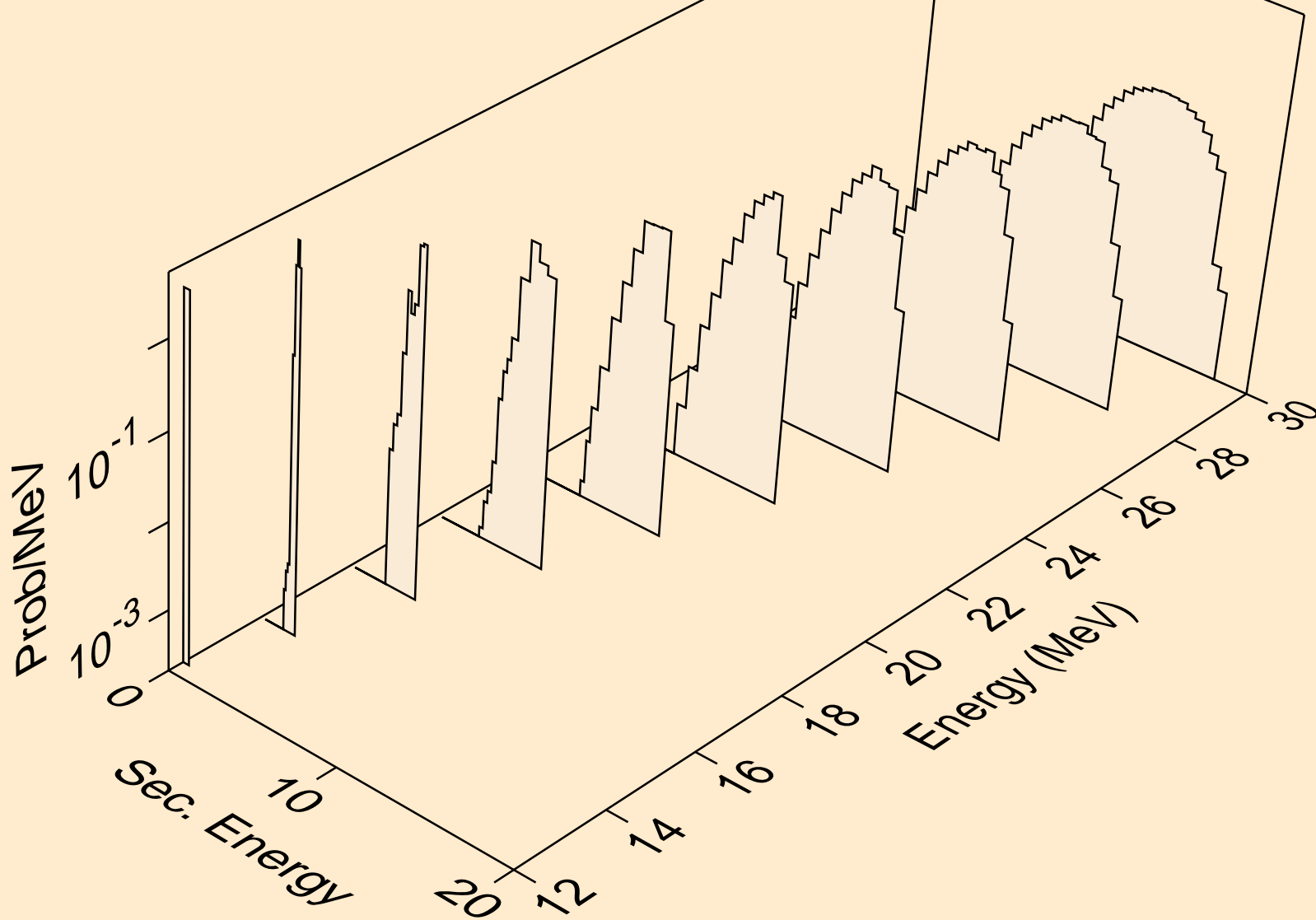
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



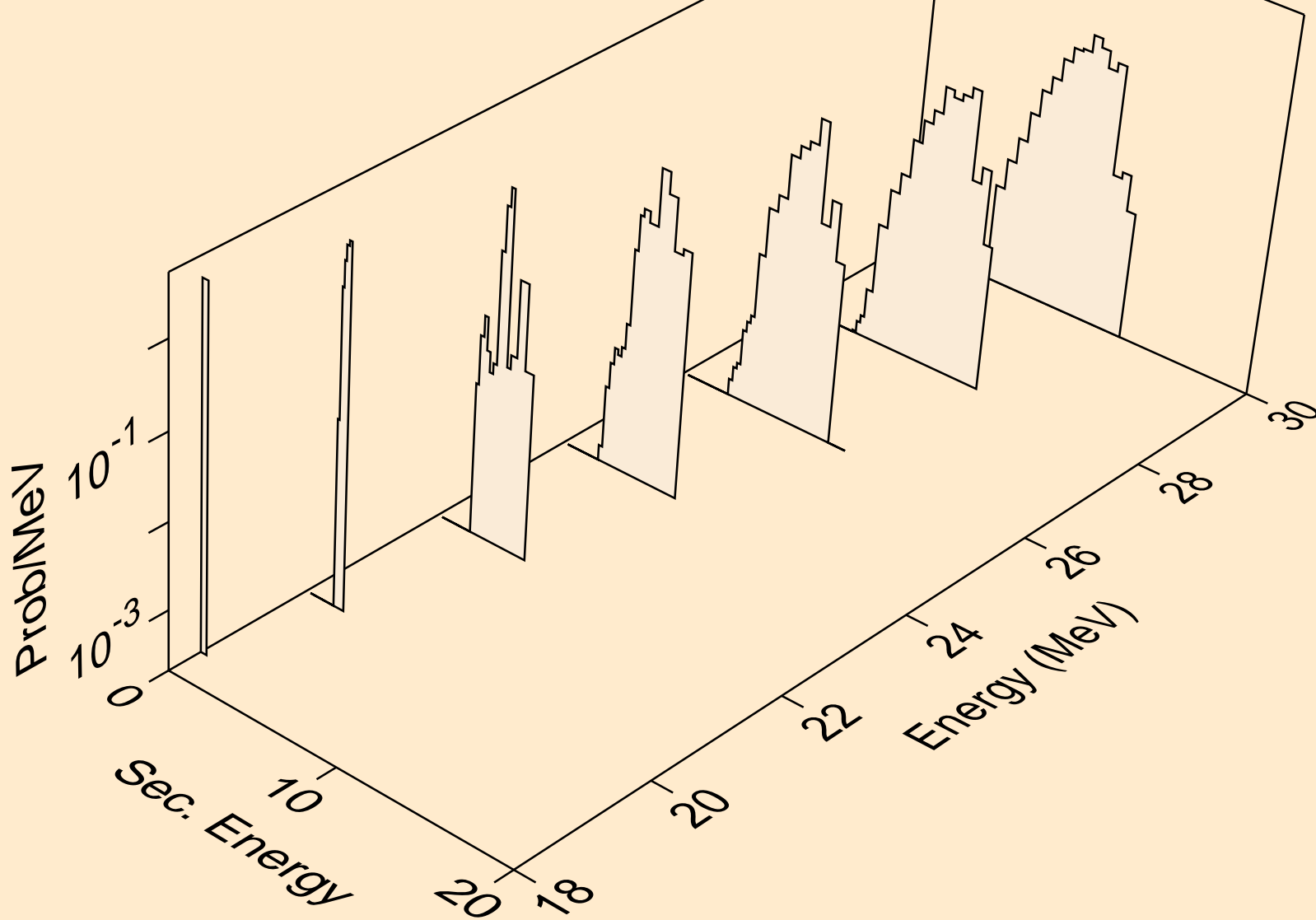
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



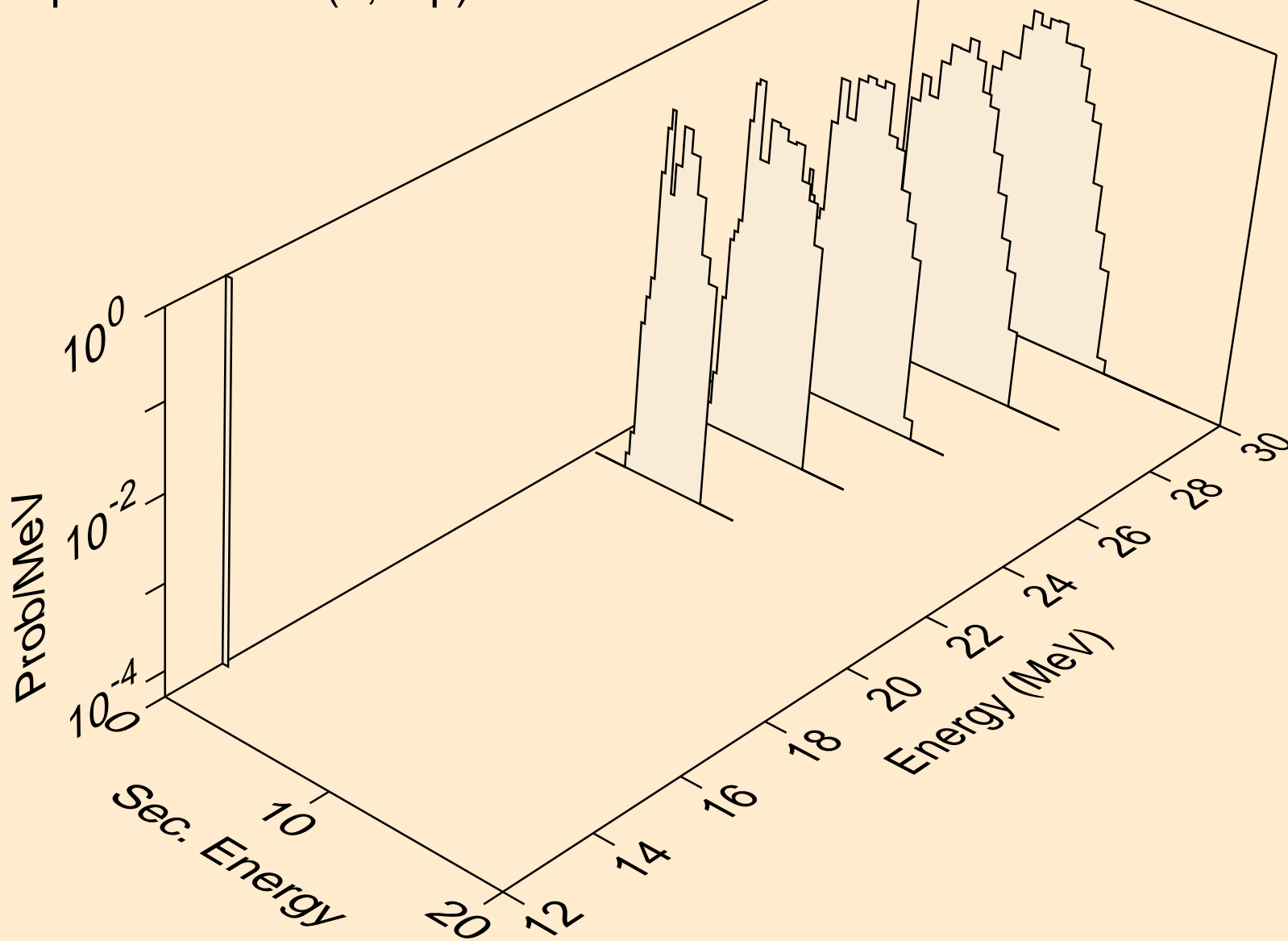
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



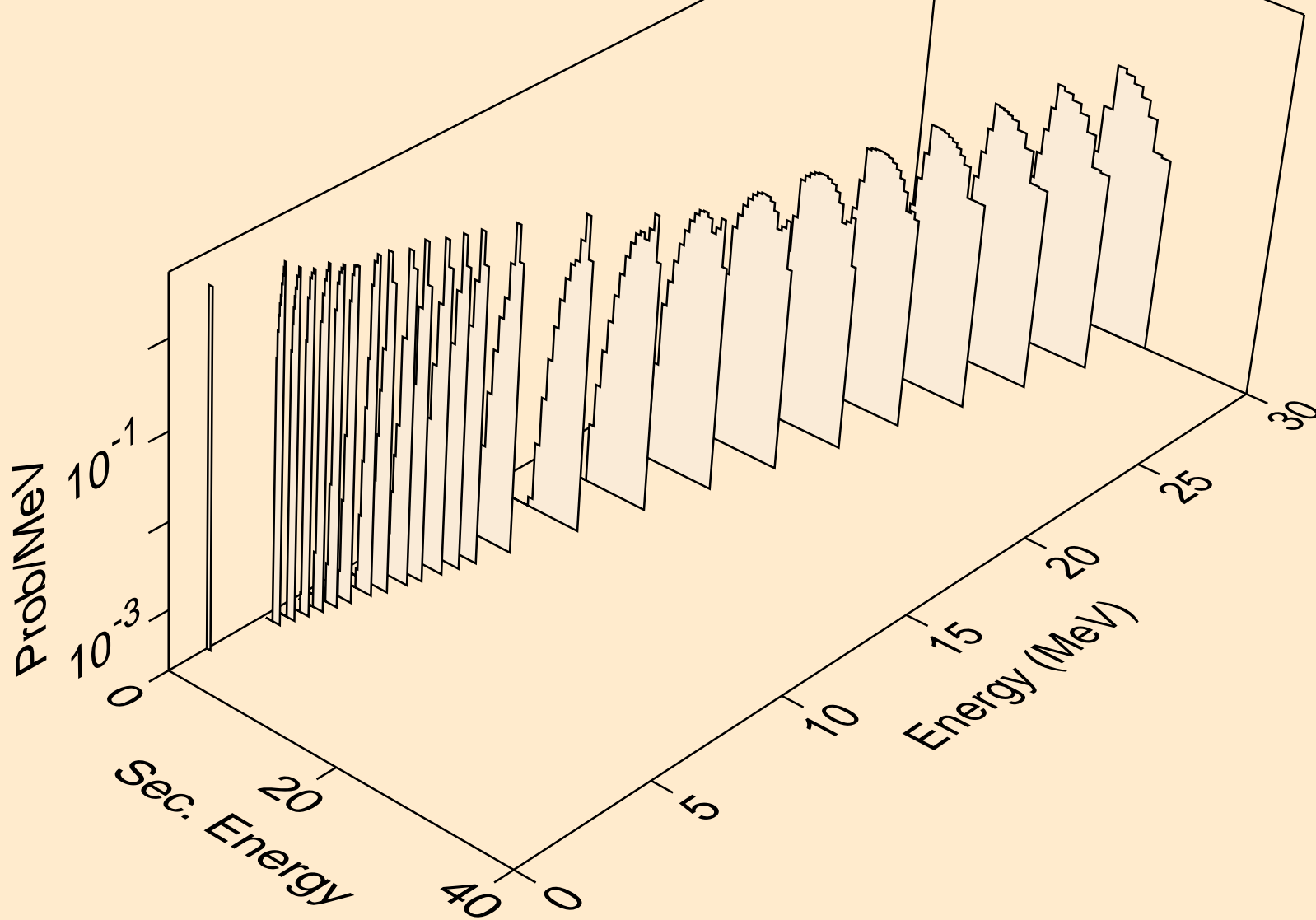
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)



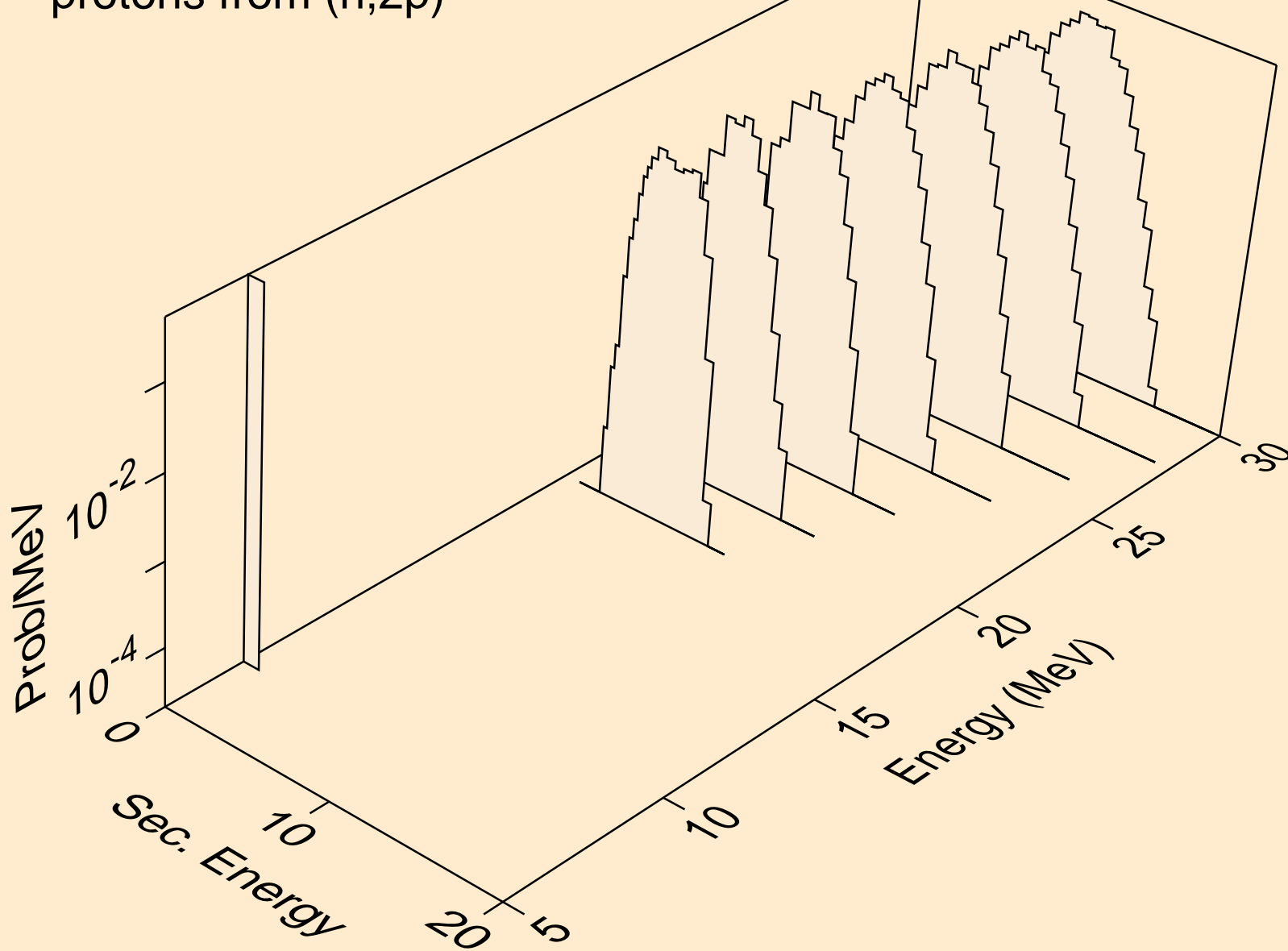
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



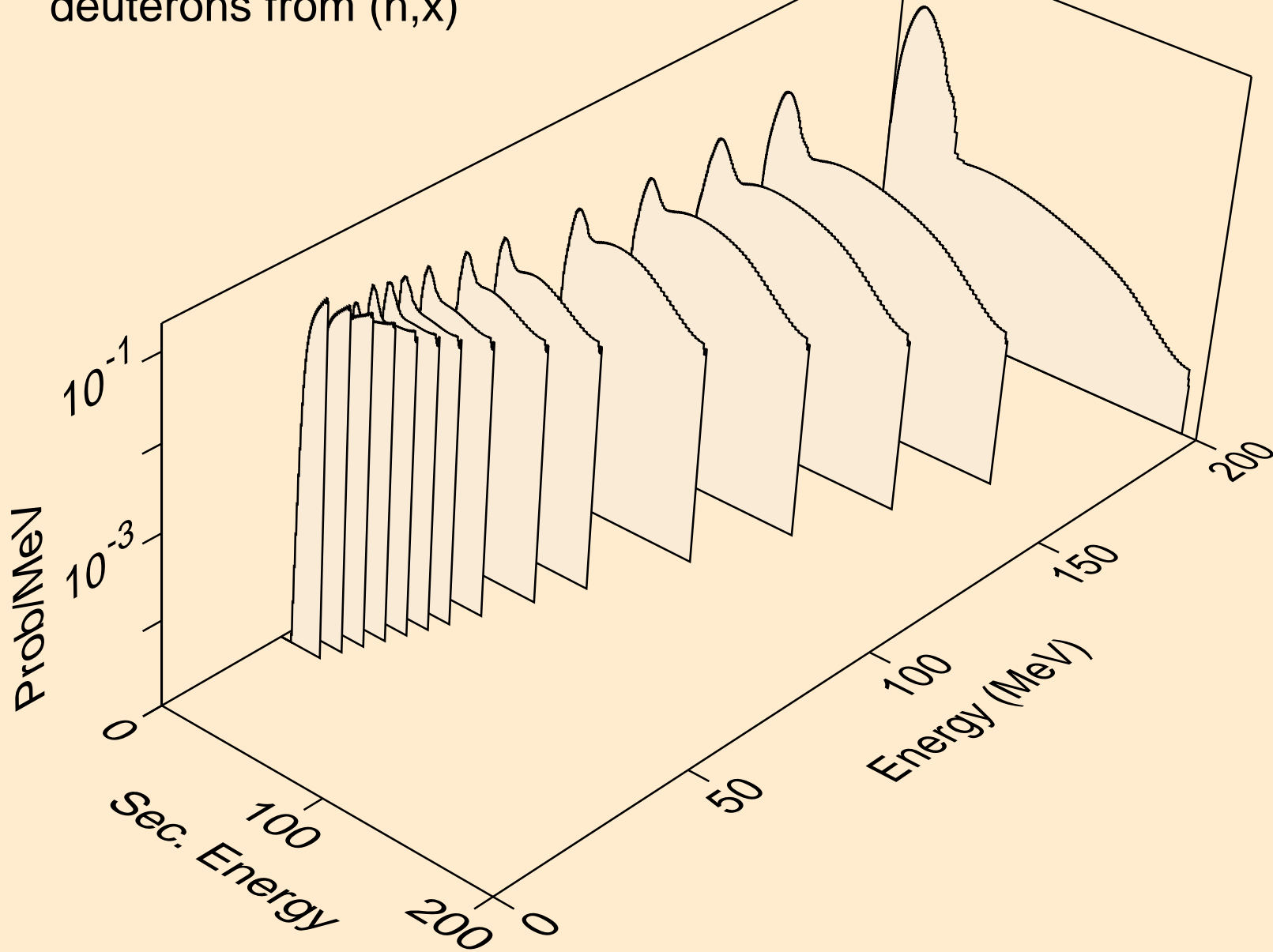
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2p)

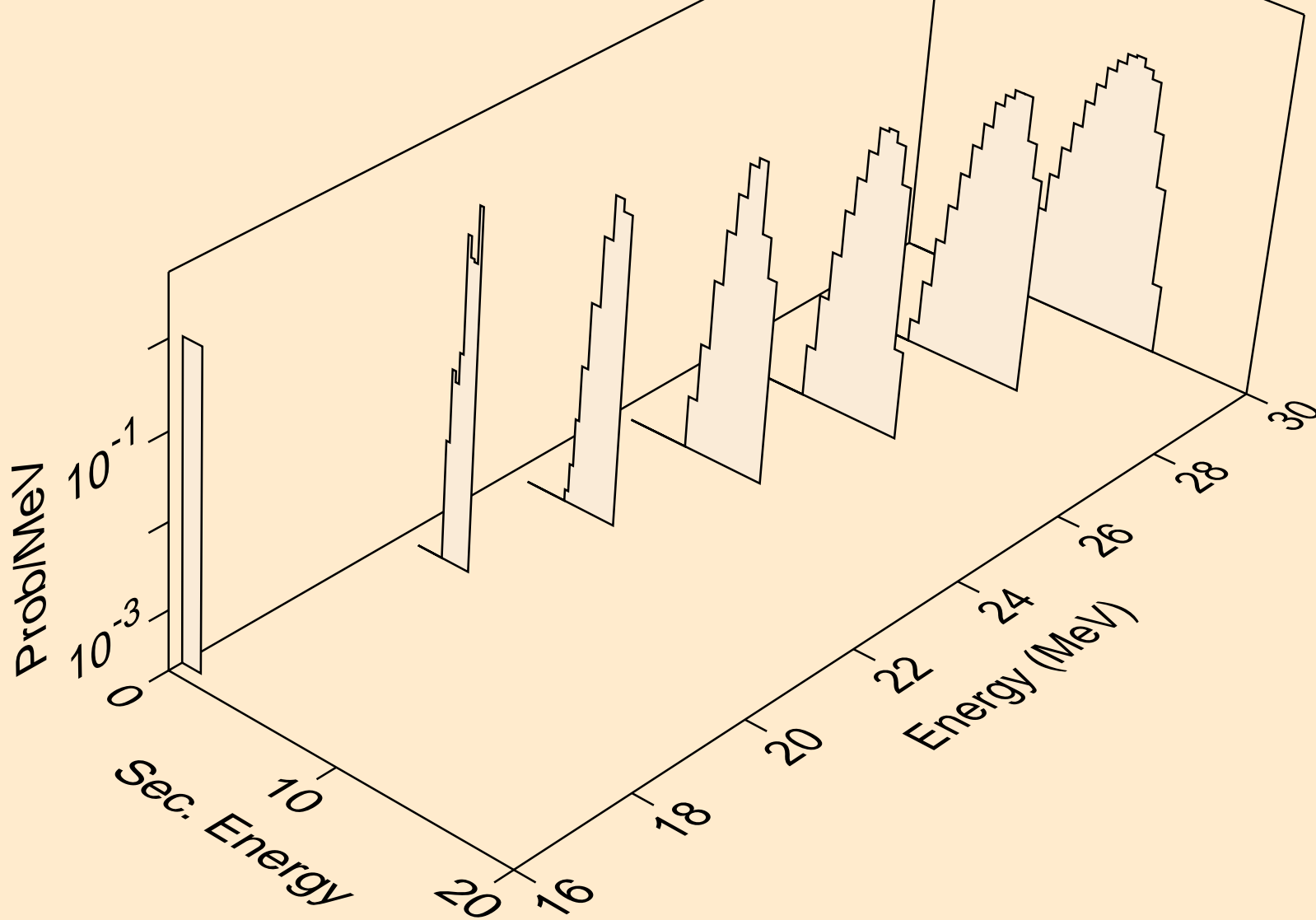


U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)

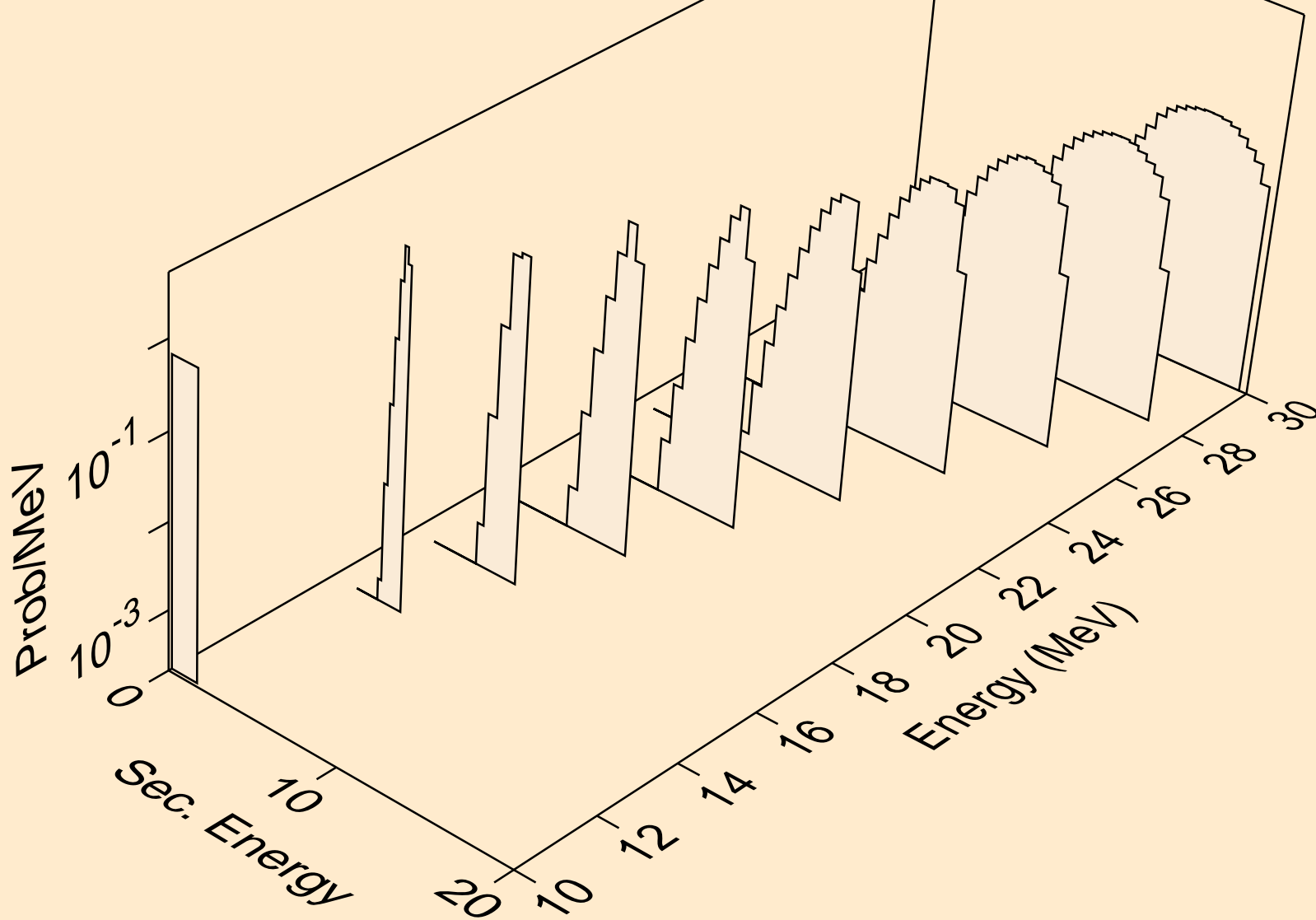




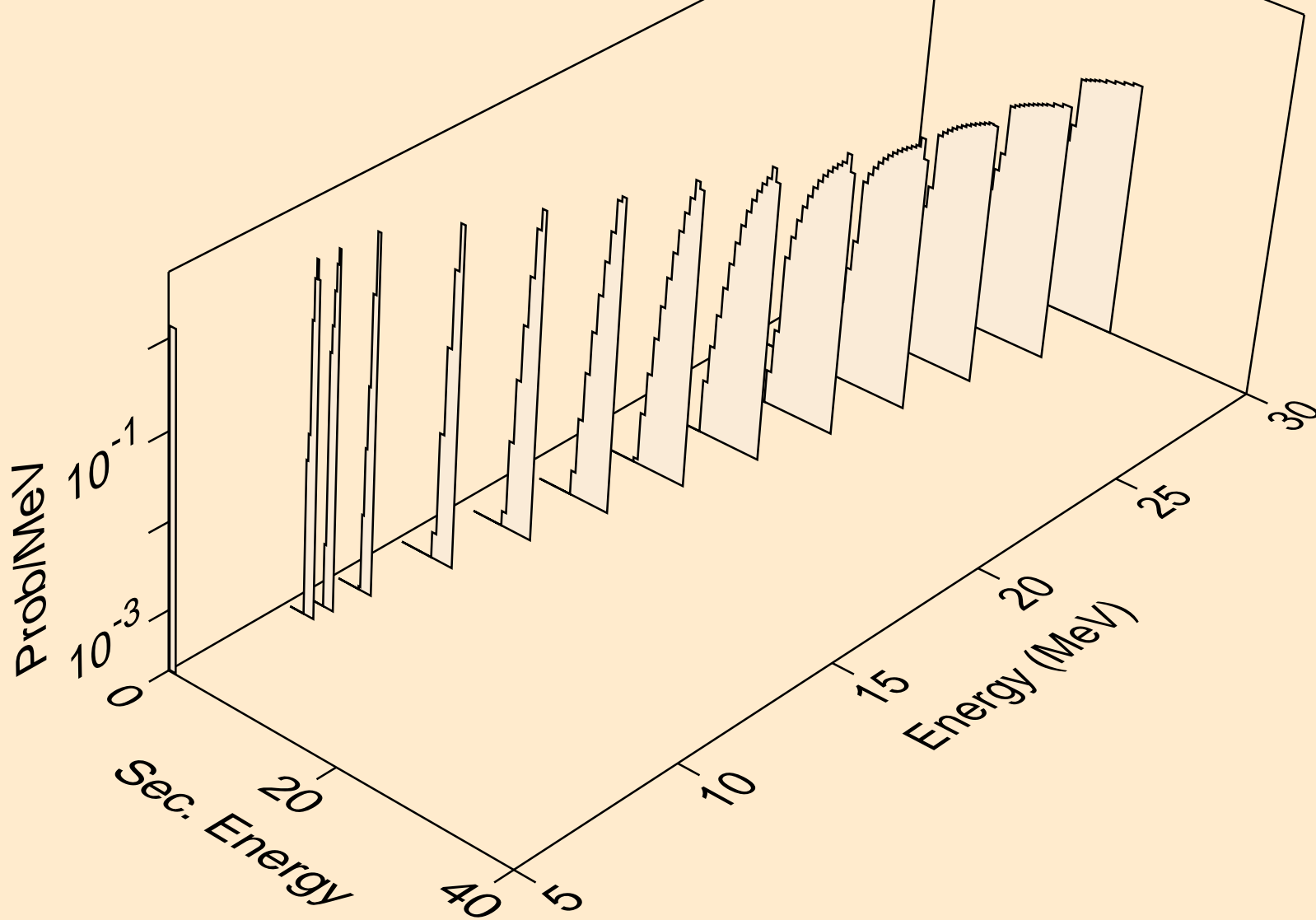
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,2nd)



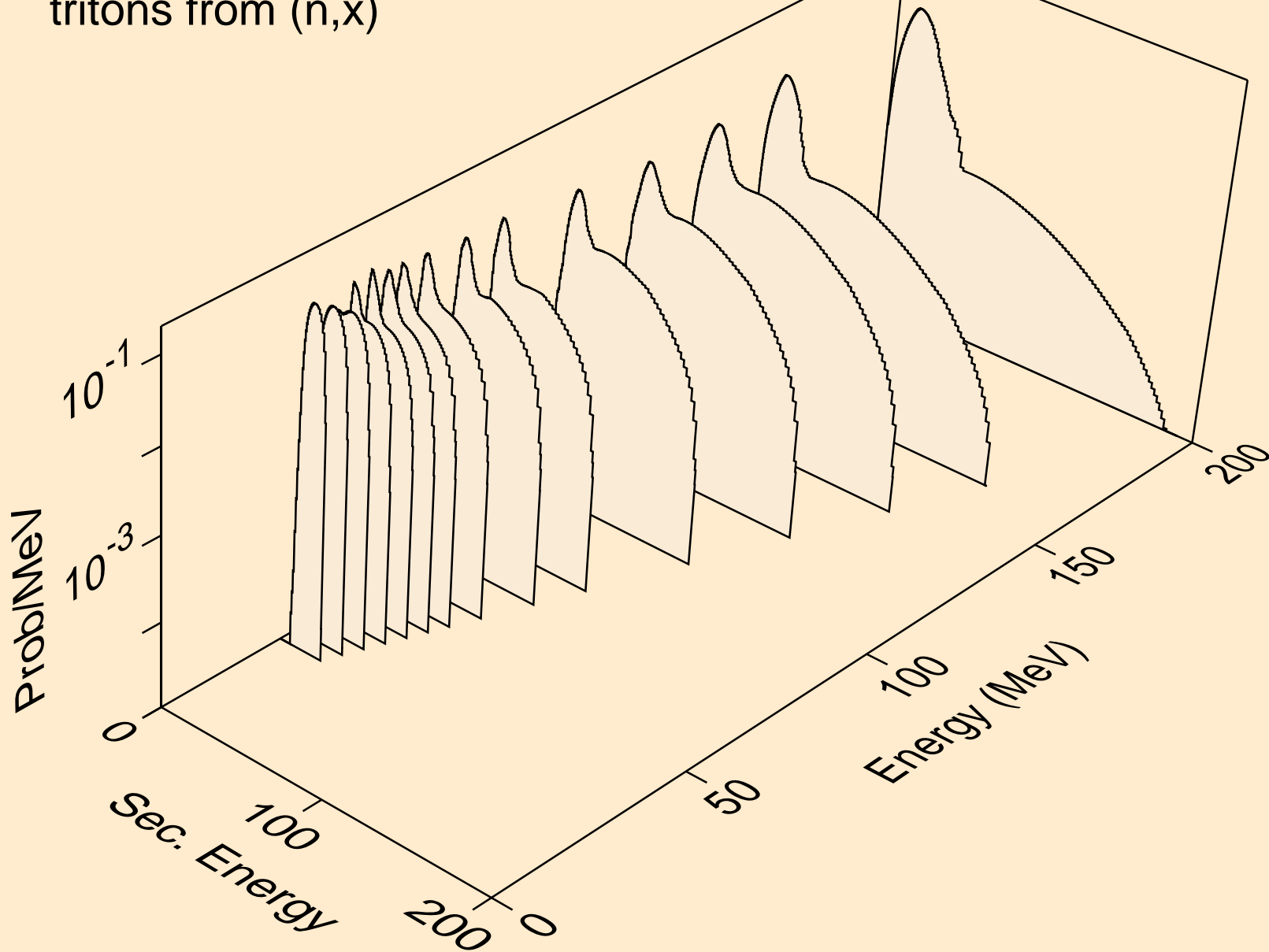
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d



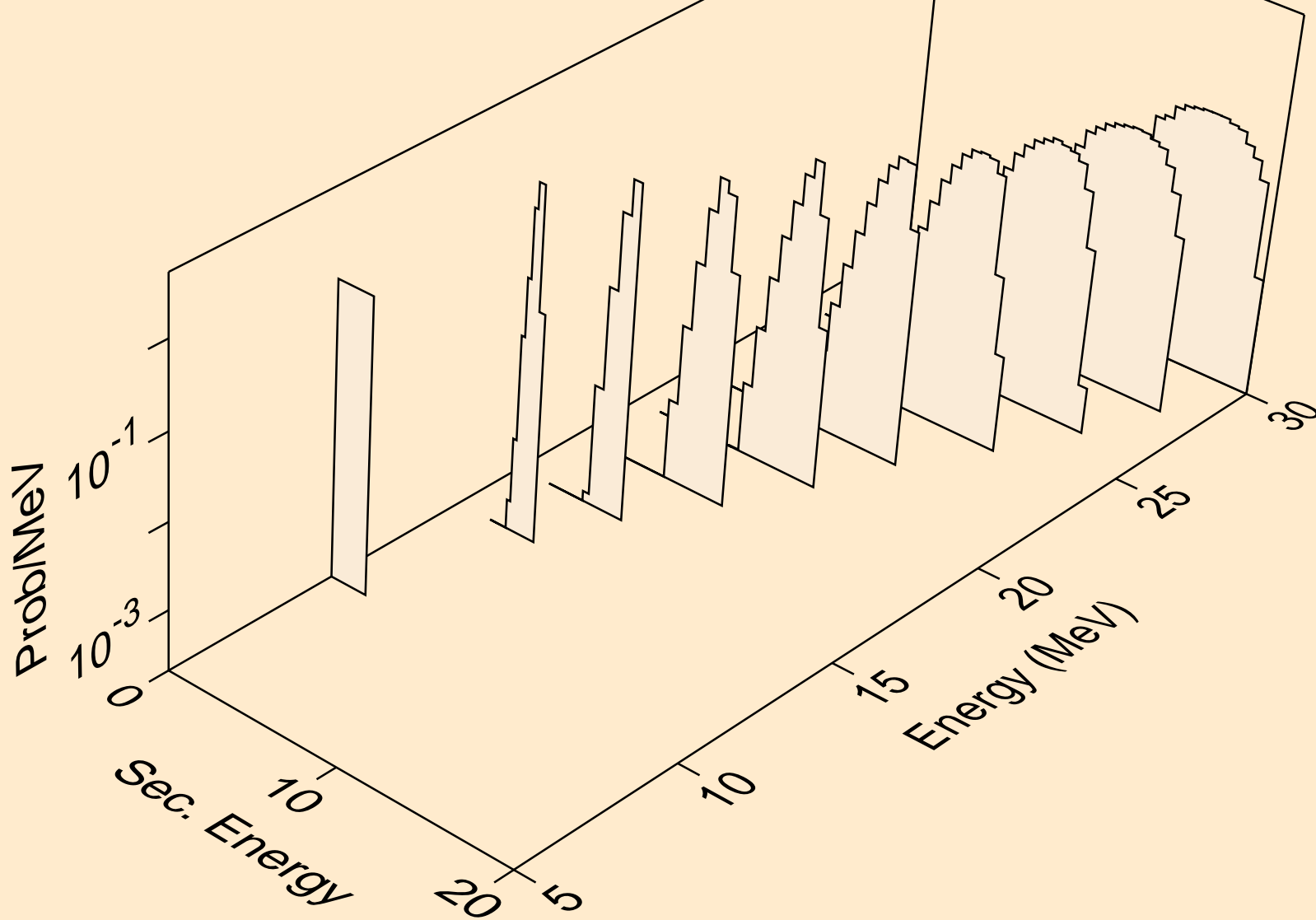
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d)



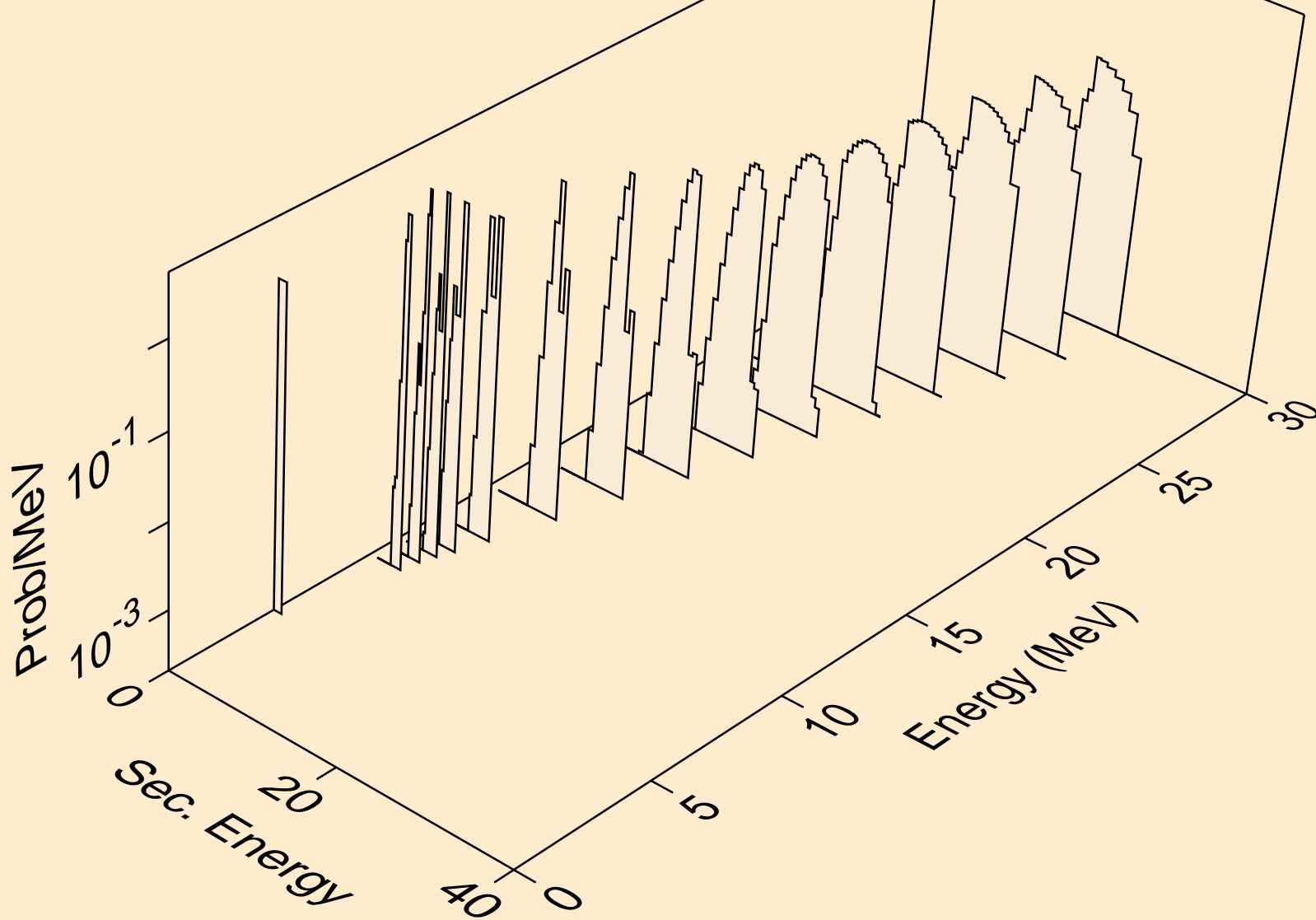
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,x)



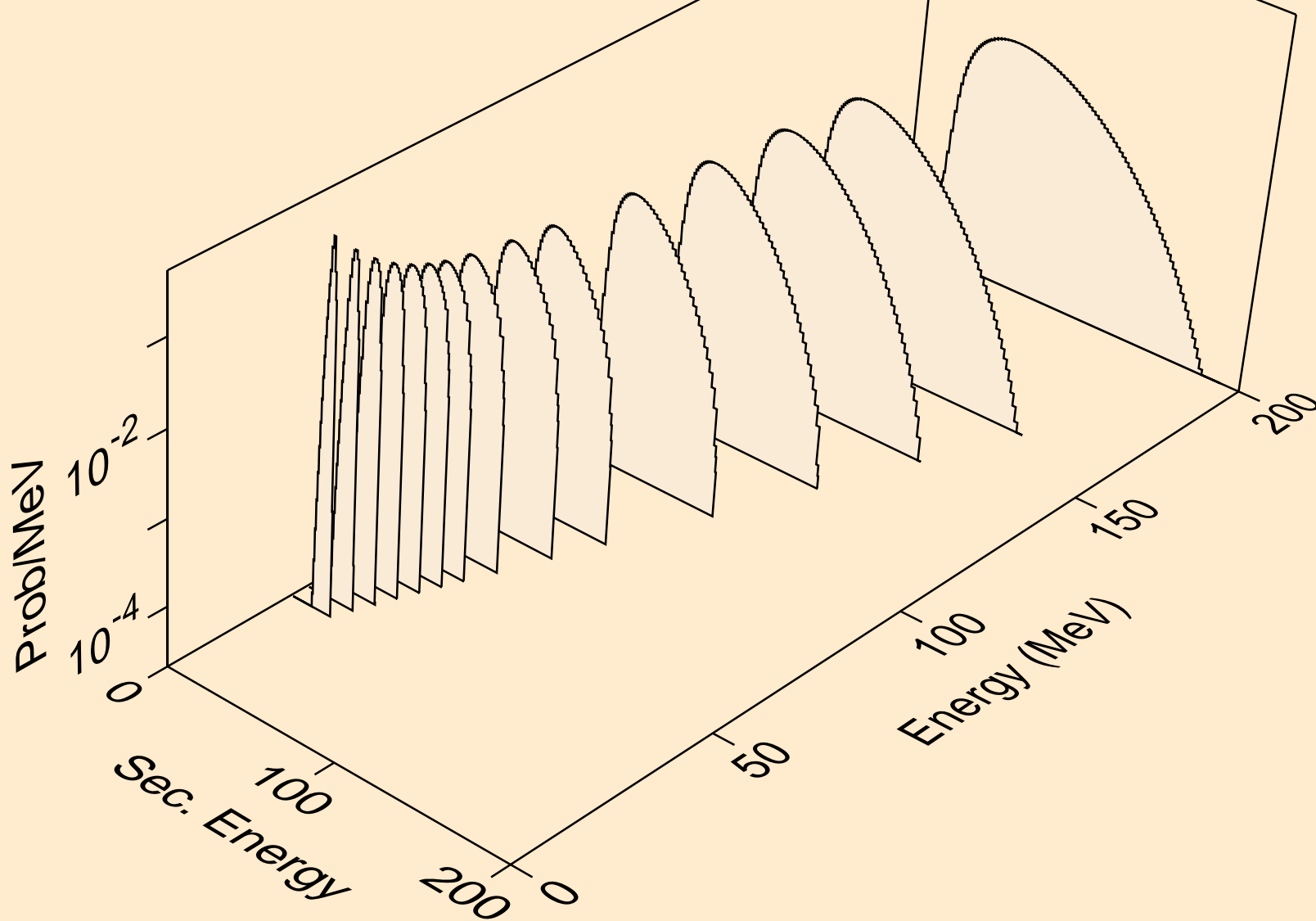
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t



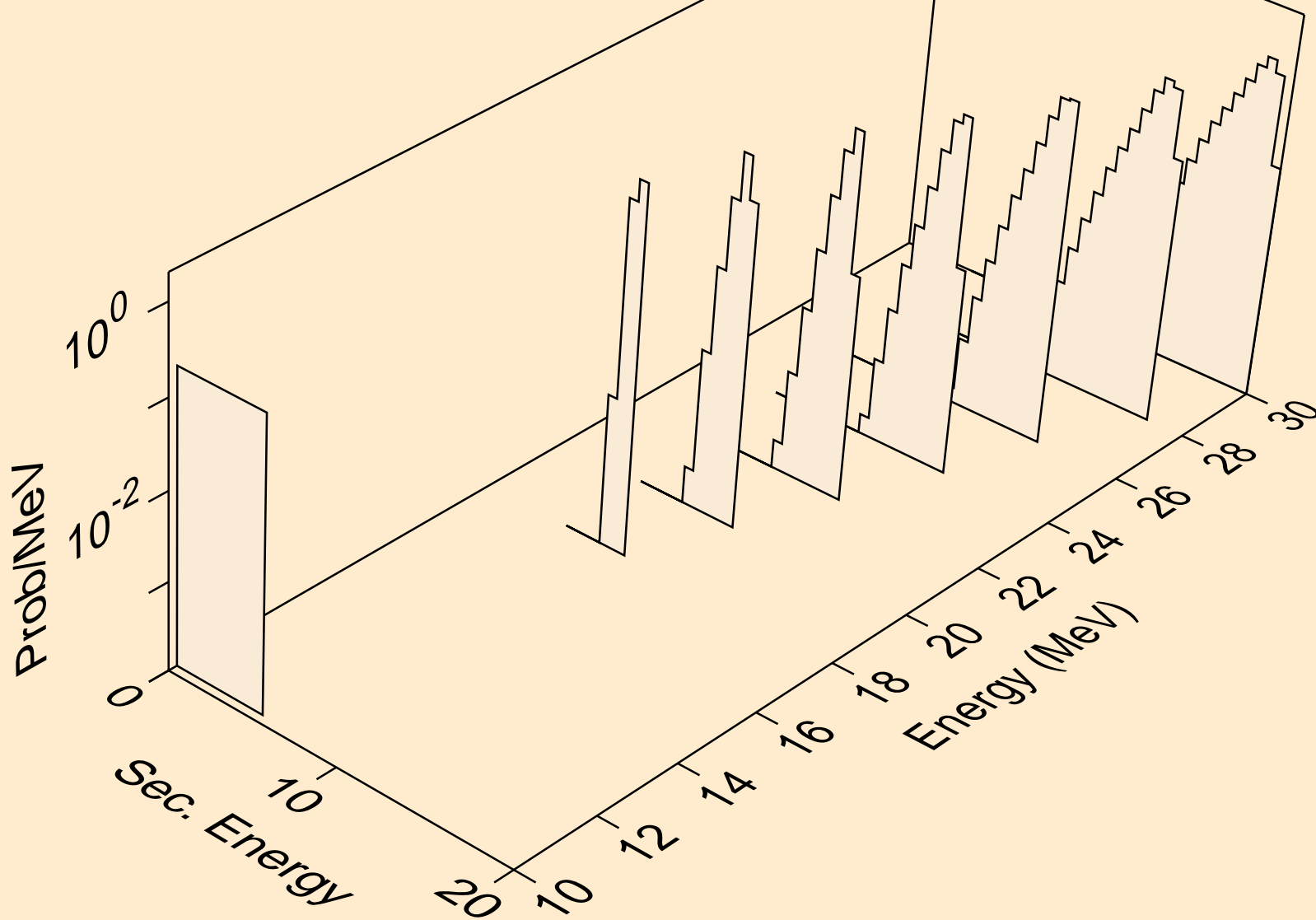
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)



U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)

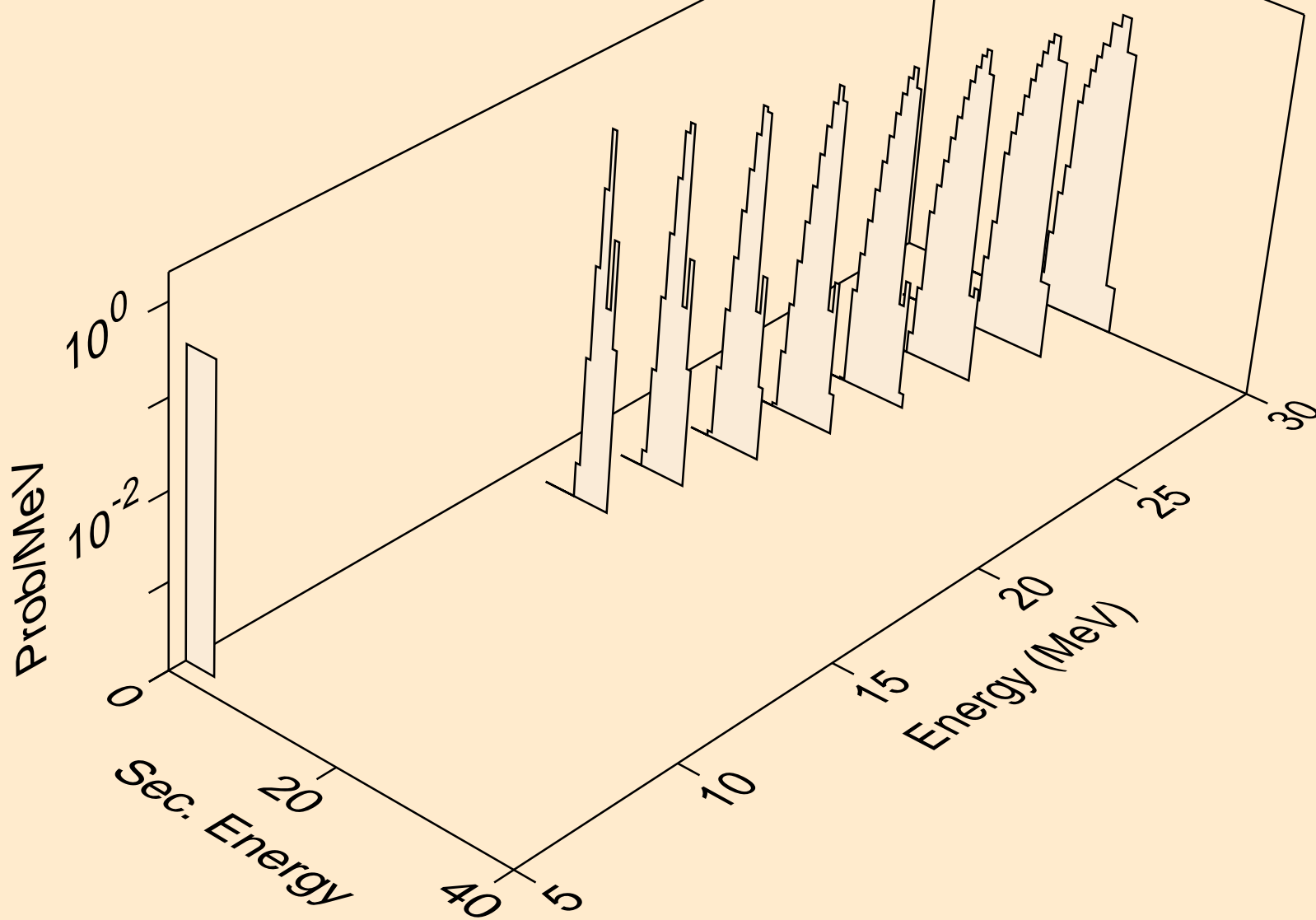


U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3

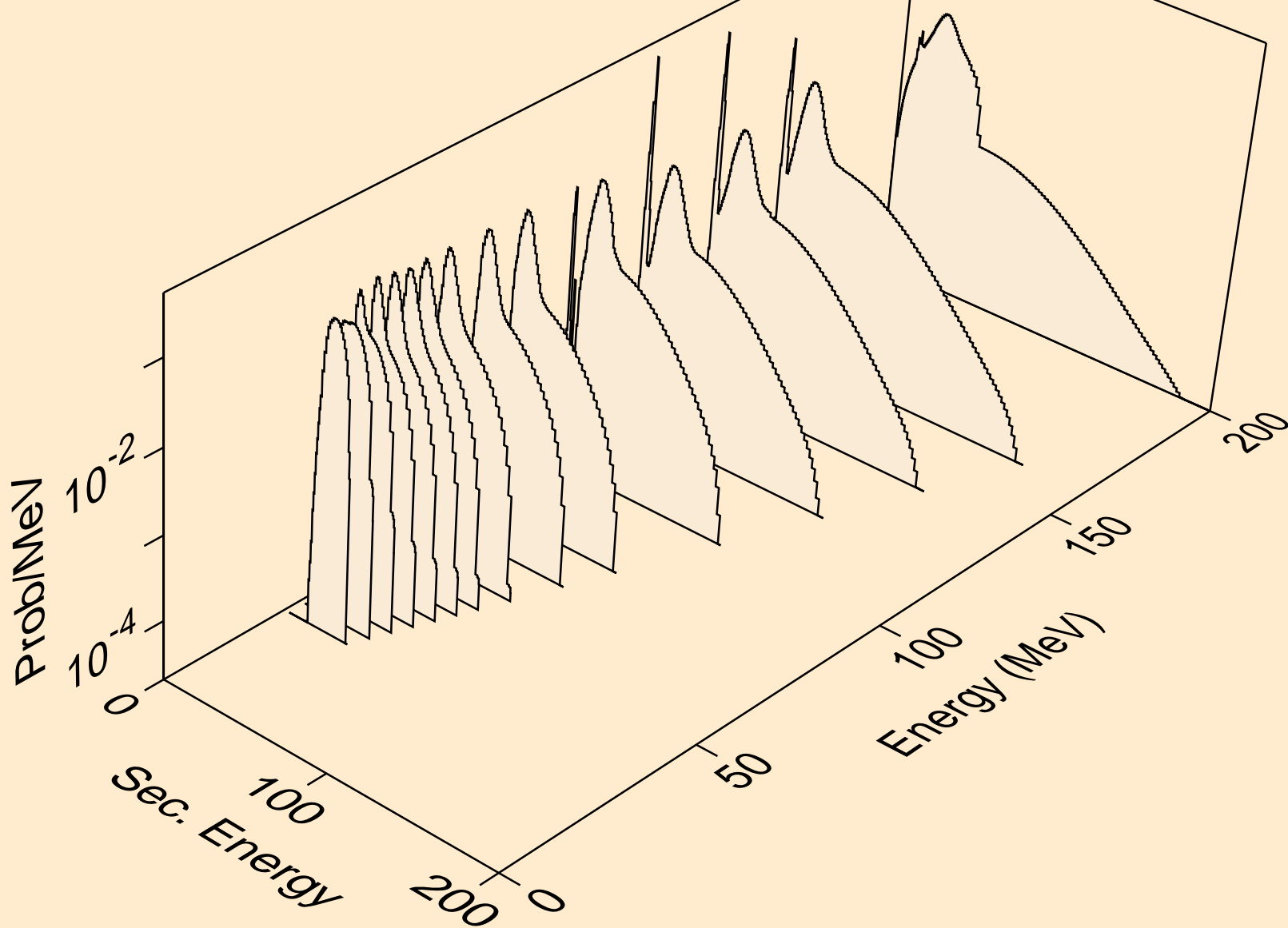




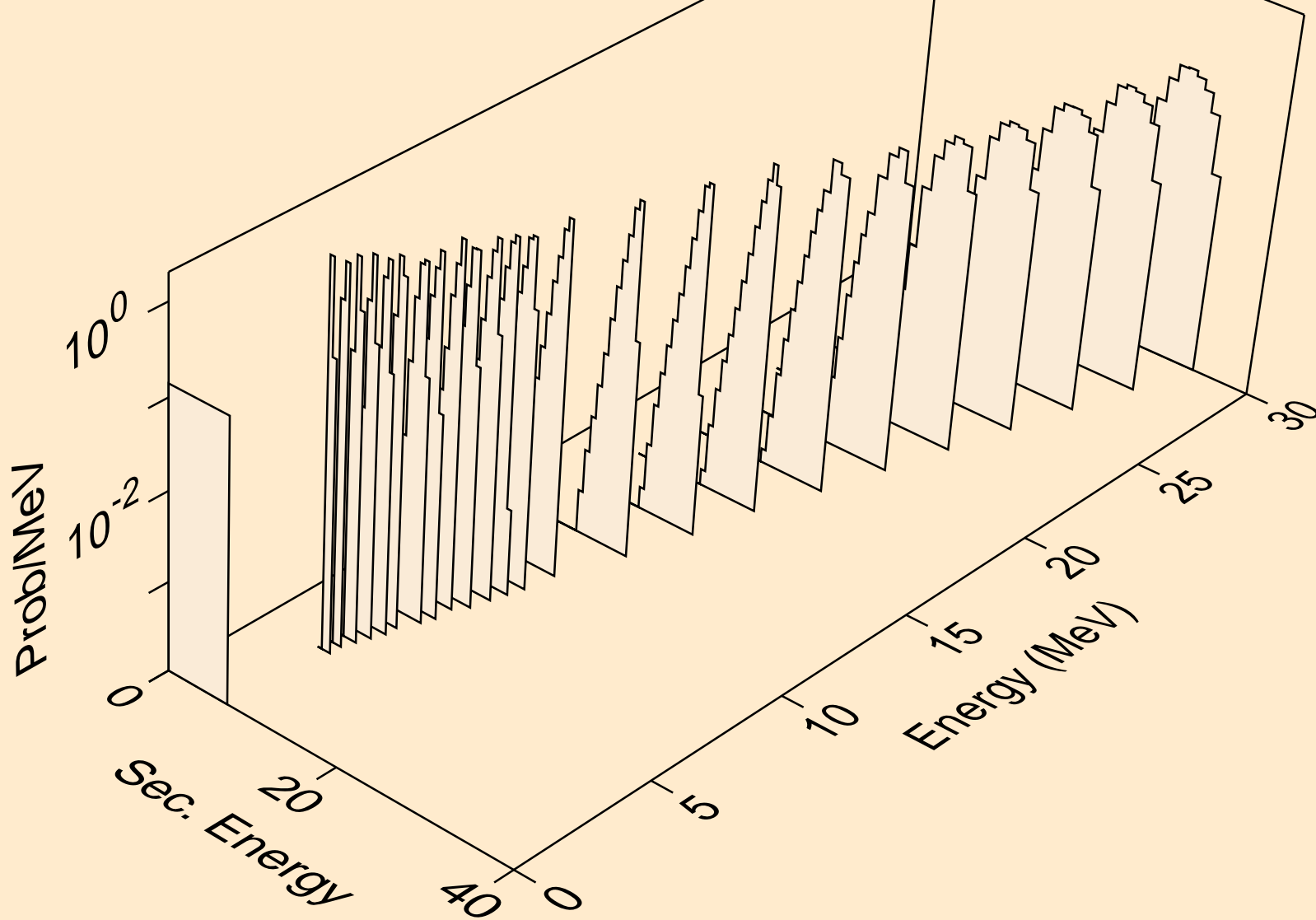
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,he3)



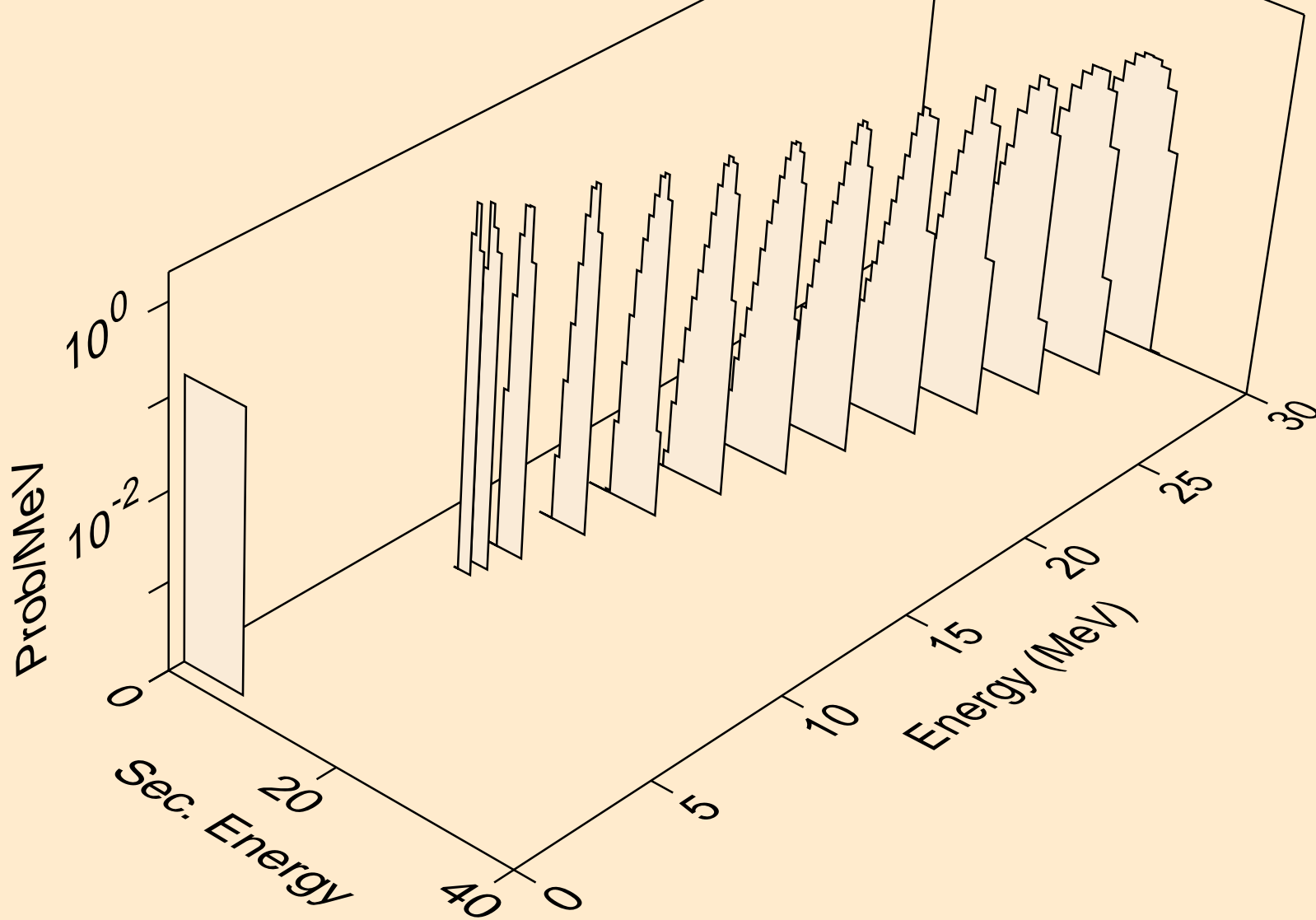
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)



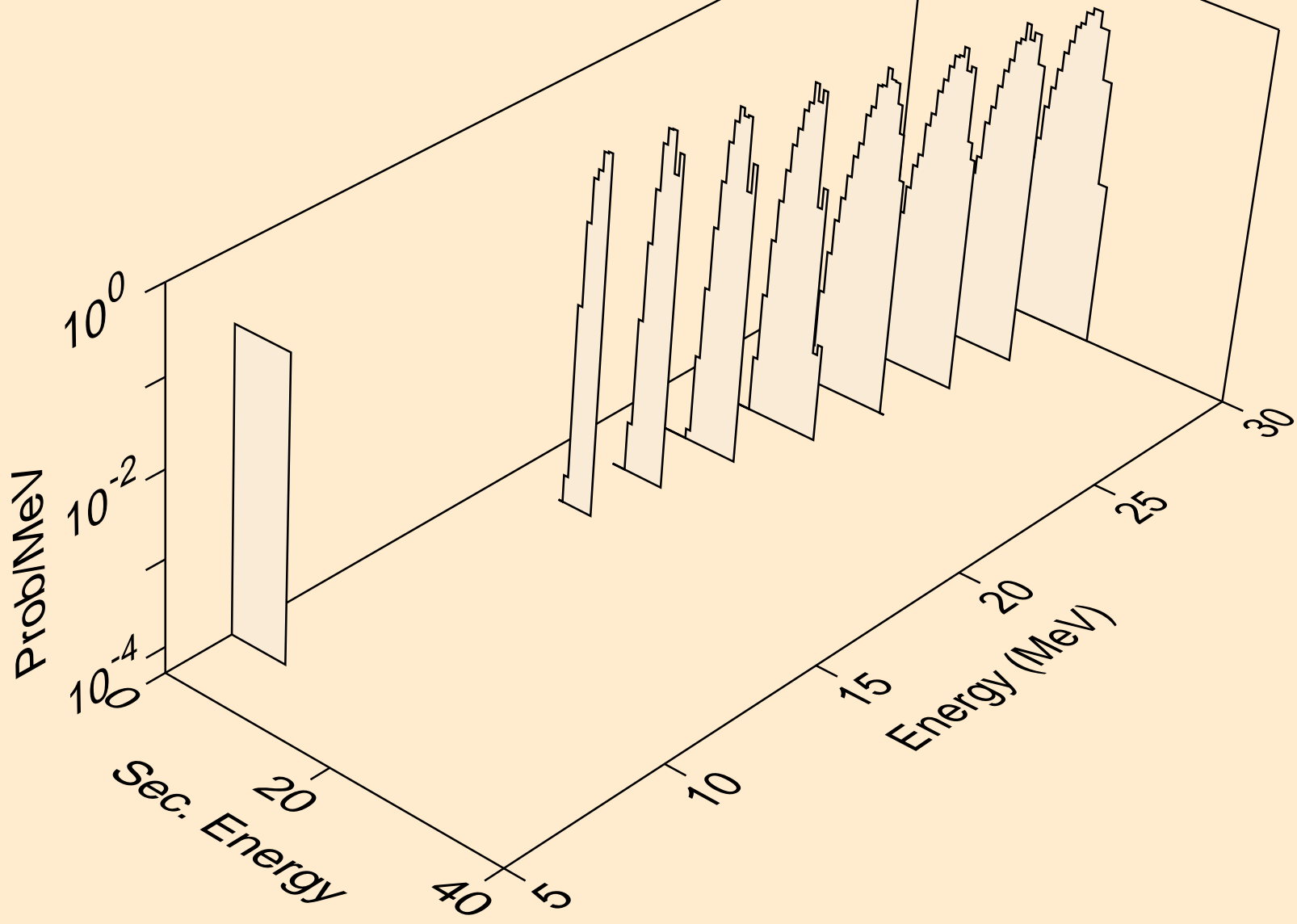
U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



U237 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)

